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EBASCO

REM III PROGRAM

REMEDIAL PLANNING ACTIVITIES
AT SELECTED UNCONTROLLED
HAZARDOUS SUBSTANCE DISPOSAL SITES



*Selected Maps
Not Included
in Appendix A*

EPA CONTRACT 68-01-7250

EBASCO SERVICES INCORPORATED

EBASCO SERVICES INCORPORATED

EBASCO

One Market Plaza, Spear Street Tower, Suite 600, San Francisco, CA 94105-1006, (415) 957-8744

May 18, 1989
WDI/89/-0015/SA

U. S. Environmental Protection Agency
215 Fremont Street
San Francisco, CA 94105

ATTN: Mr. Robert Stern, Regional Project Officer
Mr. John Kemmerer, Remedial Project Manager

SUBJECT: FINAL SOIL CHARACTERIZATION REPORT
WASTE DISPOSAL INC.
SANTA FE SPRINGS, CA.
EPA CONTRACT NO. 68-01-7250
WORK ASSIGNMENT NO. 208-9661

Dear Mr. Stern and Mr. Kemmerer:

Enclosed please find seven (7) copies of the subject report. This report incorporates all of EPA's suggested changes and responds to all of EPA's comments.

This report is one of three media characterization reports which will be combined to form the WDI RI Report. This report presents the RI data and contains a brief discussion of the physical and chemical characteristics of WDI soil. It does not discuss the fate and transport of contaminants which will be done in the Phase I RI Report.

If you have questions about this report please contact me at (415) 777-3000 or Dan Melchior at (714) 662-4081.

Very truly yours,



Dale L. Rowlison, P.E.
Regional Manager, Region IX
Ebasco Services Incorporated

DLR:d(2819)

cc: R. Fellman
M. Amdurer (ARL)
B. Mendez (ARL)

J. Chafey
D. Melchior (SA)
WDI P/File
WDI C/File

May 19, 1989
WDI/89-0017/SA

U.S. Environmental Protection Agency
215 Fremont Street
San Francisco, CA 94105

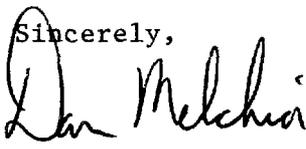
ATTN: JOHN KEMMERER

SUBJECT: APPENDIX A (VOL. II)

Dear Mr. Kemmerer:

Enclosed please find the maps that were left out of Appendix A (Vol. II), with their respective cover sheets. We have combined the topographic and location surveys into one sheet.

If you have any questions, please call me.

Sincerely,

Dan Melchior
Project Manager

DM:d(2824)

cc: P/File
C/File

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1.0 INTRODUCTION

1.1 PURPOSE OF REPORT

Ebasco Services Incorporated (Ebasco), under REM III Contract No. 68-01-7250 with the United States Environmental Protection Agency (EPA), is conducting a remedial investigation and feasibility study (RI/FS) at the Waste Disposal Inc. site in Santa Fe Springs, California. Phase I remedial investigation activities were conducted at the site between September and December 1988.

The purpose of this report is to discuss the methods used by Ebasco during this work, to identify and discuss the physical characteristics of the site, and to assess the horizontal and vertical extent of chemical contamination in soils at the site. It is within the scope of this report to present data but it is not within the scope of this report to generate volumetric estimates of the amount of soil requiring remediation.

The information contained in this report will be used to identify and evaluate appropriate remedial technologies during the WDI feasibility study. For example, the success of some technologies such as bioremediation and incineration are very dependent on knowing the type and concentration of contaminants to be treated. This report will assist in determining their applicability.

This report is the first of three media characterization reports which will be prepared for the WDI site. Together with the groundwater characterization report and the subsurface gas characterization report, this report will form the basis of a Preliminary Summary Site Characterization (Phase I RI) Report. This report does not contain information on fate and transport of contaminants. This information will be contained in the Phase I RI Report.

1.2 OBJECTIVES OF REPORT

The objectives of this report are as follows:

- o To identify the nature of WDI contaminants (i.e., type and concentration).
- o To identify the horizontal and vertical extent of WDI contaminants.
- o To provide the WDI treatability and feasibility study team with enough detailed information to estimate the volume of contaminated soil which will require remediation.
- o To assist the WDI health risk assessment team in the identification of exposure pathways, and the development of exposure scenarios and assumptions.
- o To provide the EPA with a list of major data gaps and recommendations for Phase II remedial investigations necessary to reduce uncertainties about the physical and chemical characteristics of soils at the WDI site.

1.3 ORGANIZATION OF REPORT

Sections 1.0 and 2.0 of this report provide introductory and background information. Section 3.0 identifies and describes remedial investigation methodologies. Section 4.0 discusses the physical and chemical characteristics of WDI soil. Section 5.0 presents a summary of findings and conclusions and presents recommendations for future action.

2.0 BACKGROUND INFORMATION

2.1 SITE DESCRIPTION

The Waste Disposal Inc. (WDI) site (latitude 37° 57.0'N, longitude 118° 03.0'W) consists of a 43-acre parcel located at T2S, R11W, S32 in the city of Santa Fe Springs, Los Angeles county, California (Figure 2-1). It is bordered on the northwest by Santa Fe Springs Road, on the northeast by a Fedco food distribution center and St. Paul's High School, on the southwest by Los Nietos Road, and on the southeast by Greenleaf Avenue (Figure 2-2).

The surface elevation of the WDI site is approximately 160 feet above mean sea level. The main part of the site is situated 10 to 20 feet above the surrounding terrain. Although the land to the west and southwest is fairly level, the land to the northeast drops away at a 30 to 50 percent slope and the land to the southeast of the site drops away at a 10 to 30 percent slope. Surface drainage from the site is generally toward these areas.

2.2 SITE HISTORY

Waste Disposal Inc. operated as a landfill which, over a period of almost 40 years, accepted various oil field and industrial wastes (Table 2-1). Prior to 1949, operations at the facility were unregulated; between 1949 and 1965-66 Waste Disposal Inc. operated as a permitted landfill. From 1949 until closure, operations were documented sporadically. In addition, many documents have been allegedly destroyed (Herrera 1986). As a result, a comprehensive history of the site is not currently available. However, the Potentially Responsible Party Search conducted by ICF Technology (1987) and a records search and review of aerial photographs by Ebasco reveal the following information:

1. The Santa Fe Springs Oil Field was discovered by Union Oil of California in 1919. Sometime thereafter (probably between 1919 and 1928), a 1,000,000-barrel (42-million-gallon) capacity, concrete reservoir was constructed at the WDI site. It is believed that the

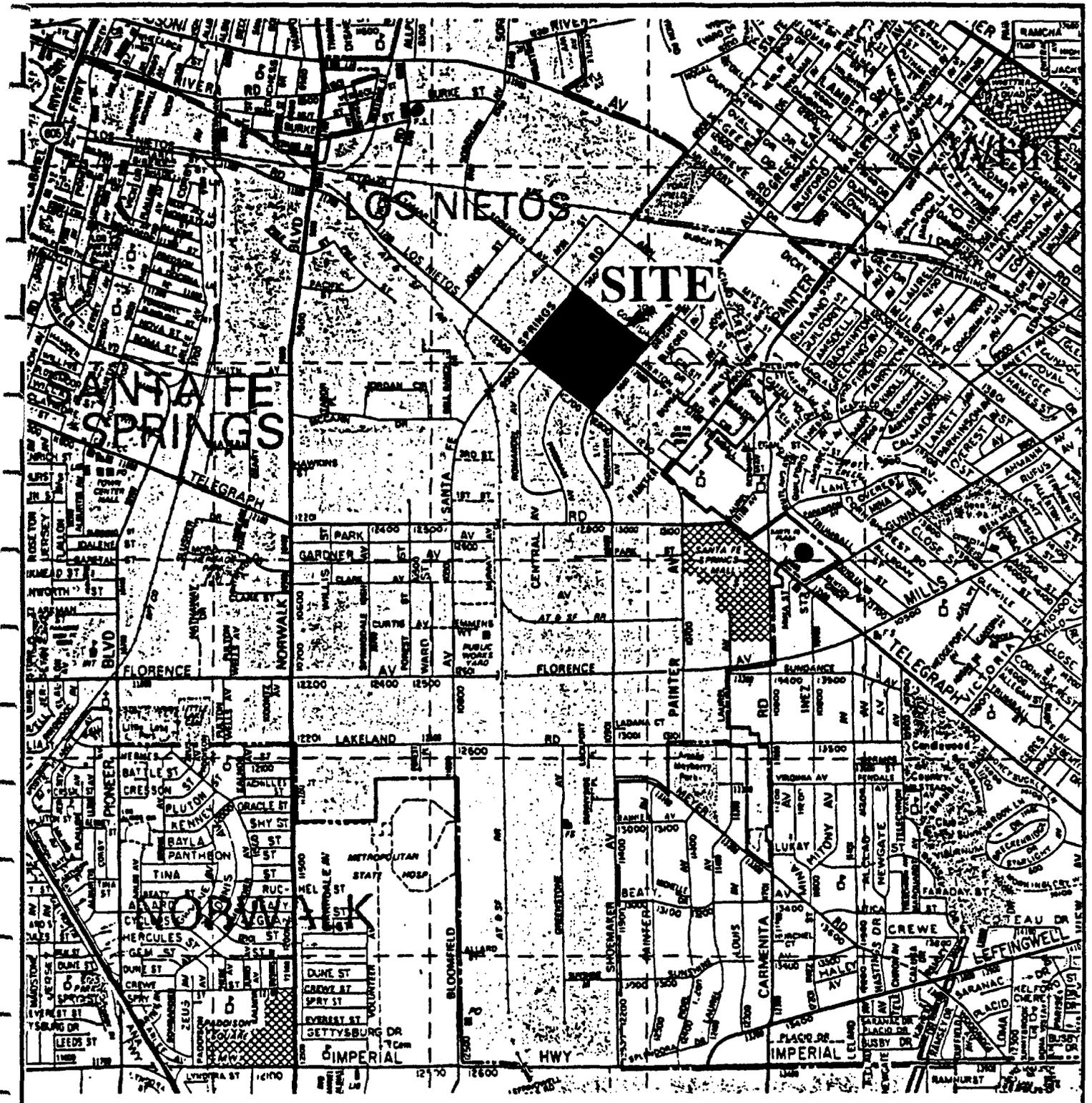


Figure 2-1
GENERAL SITE LOCATION MAP
 Waste Disposal Inc.

SOURCE: Adapted from Thomas Brothers Guide, 1988.

Figure 2-2
SITE MAP
 WASTE DISPOSAL INC.

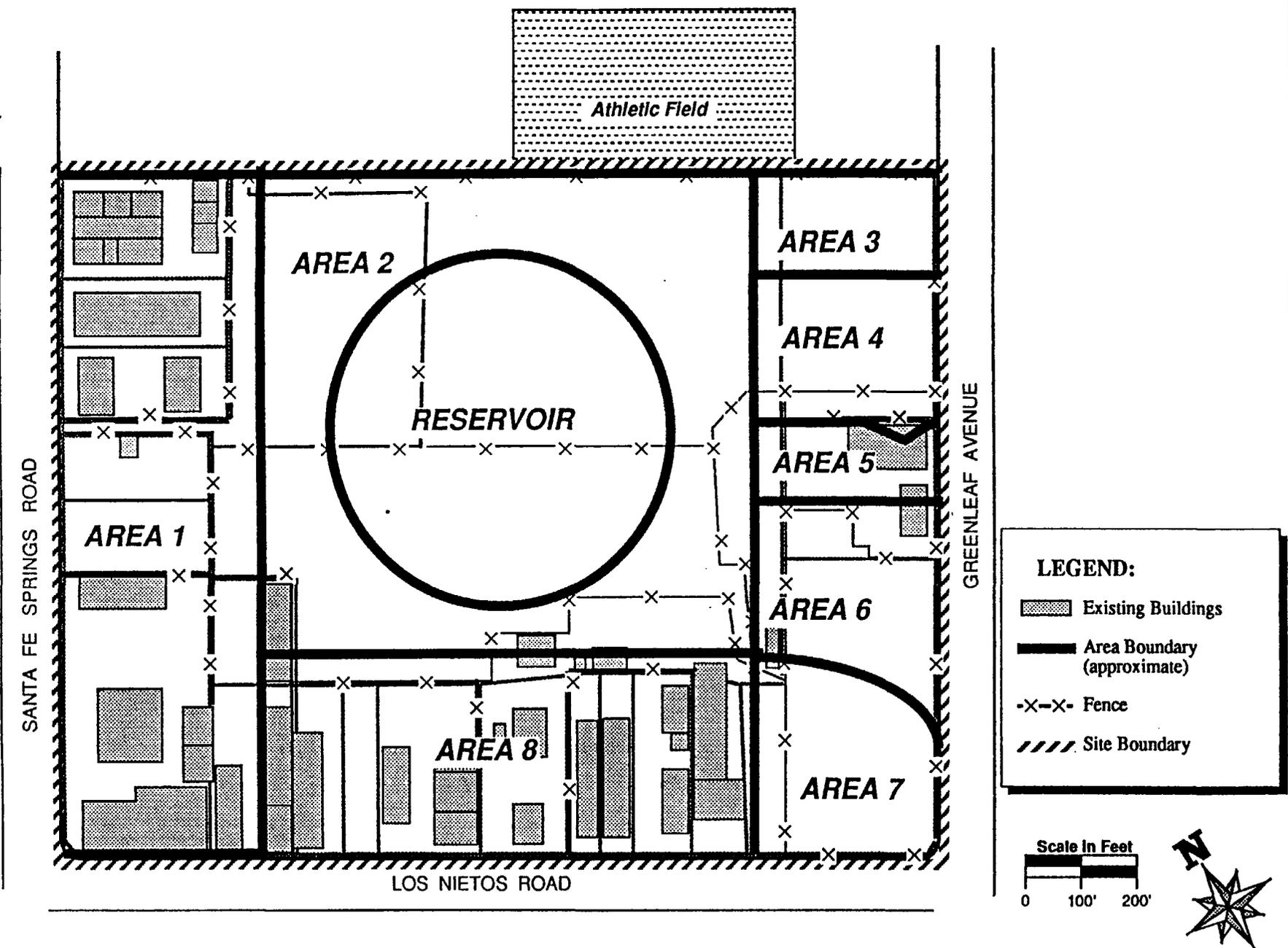


TABLE 2-1

HISTORICAL RECORD OF WASTE COLLECTION, TREATMENT AND DISPOSAL,
WASTE DISPOSAL INC.

Waste	Source of Waste	Quantities	Dates of Disposal	
Petroleum Refinery Tank Bottoms	Union Oil, General Petroleum, Standard Oil, Rothschild, etc.	Unknown	Unknown	Whittier Daily News (1987, 1988)
Steel Mill Slag	Unknown	Unknown	Unknown	Whittier Daily News (1987, 1988)
Brewery Wastes	Unknown	Unknown	Unknown	Whittier Daily News (1987, 1988)
Cesspool Sewage	Santa Fe Springs Waste Water Disposal Co.	Unknown	1958-?	Otteson (1958), Grancich (1958b)
Rotary Drilling Mud*	Union Oil, General Petroleum, Standard Oil, Rothschild, etc.	15,000 barrels/wk	3/8/50-?	Industrial Waste Discharge Permit 57 Carter (1953)
Clean Earth, Rock, Sand and Gravel*	Unknown	Unknown	3/8/50-?	Industrial Waste Discharge Permit 57
Paving Fragments*	Unknown	Unknown	3/8/50-?	Industrial Waste Discharge Permit 57
Concrete, Brick, Plaster*	Unknown	Unknown	3/8/50-?	Industrial Waste Discharge Permit 57
Steel Mill Slag*	Unknown	Unknown	3/8/50-?	Industrial Waste Discharge Permit 57
Dry Mud Cake*	Oil Field Sumps	Unknown	3/8/50-?	Industrial Waste Discharge Discharge Permit 57
Acetylene Sludge*	Security Engineering Chickson Co.	200 barrels/wk 20 barrels/wk	8/5/53-? 8/5/53-?	Fox (1953)
Liquid Residue from Railroad Car Washing Racks and Machine Shop	Holbrook and Sons, Southern Pacific Railroad B and H Vacuum, Union Pacific Railroad, George Casey Company	Unknown	1/15/62-? 5/9/65-?	Dump Inspection Reports (Moore 1962, 1965)
Odor Control Spray	Mr. Dell, LA County, Department of Engineer	Unknown	1958-?	Grancich (1958c)
Payzone	Unknown	Unknown	11/27/53-?	LA County Engineer Photo, File I-629
Unspecified Liquid Waste	Archer-Daniels-Midland, B and B Deburring Roberts Company	Unknown	1958-? 1958/ 1959-? 1958/ 1959-?	Committee Against Waste Disposal Inc. (1958) Coates (1959), Moore (1958), Collins (1959), Medley (1959)

* Permitted Wastes.

reservoir was used for petroleum storage. In the late 1920s, the WDI reservoir was decommissioned. Aerial photographs (WCCA 1928, 1937, 1945) indicate that a similarly sized reservoir was located across Santa Fe Springs Road, approximately 800 feet to the northwest, on land owned by Union Oil.

2. A review of aerial photographs (EMSL 1988) shows that between the late 1920s and 1949 (the date WDI was first permitted) there is evidence of the disposal of contaminated waste at the site. This evidence includes:
 - o A 1937 photograph indicates that standing liquid was present outside of the reservoir to the northwest, southeast, and south of the reservoir inside dikes, and to the northwest and southwest of the reservoir outside dikes. Disturbed ground as well as areas of fill were present along Greenleaf Avenue and Los Nietos Road (Figure 2-3).
 - o A 1945 photograph shows standing liquid in an excavation or pit at the corner of Greenleaf Avenue and Los Nietos Road (Figure 2-4).
3. On August 3, 1949 Fernando Caneer filed with the County of Los Angeles Regional Planning Commission a request for hearing and an application to operate a dump in the reservoir for the disposal of "solid fill, rotary mud and other non-acid oil well waste" (Tapping 1949, The Dumps 1949a, 1949b).
4. On November 15, 1949 Special Permit 634 was granted to Fernando Caneer, Marvin Pitts, Nollie B. Hudson, and Delmar Carter for the above mentioned purposes by the County of Los Angeles Board of Supervisors upon recommendation of the County of Los Angeles, Regional Planning Commission (Lee 1949).
5. On March 8, 1950 the County of Los Angeles, Department of the County Engineer, issued to Whittier Area Disposal Co. (also known

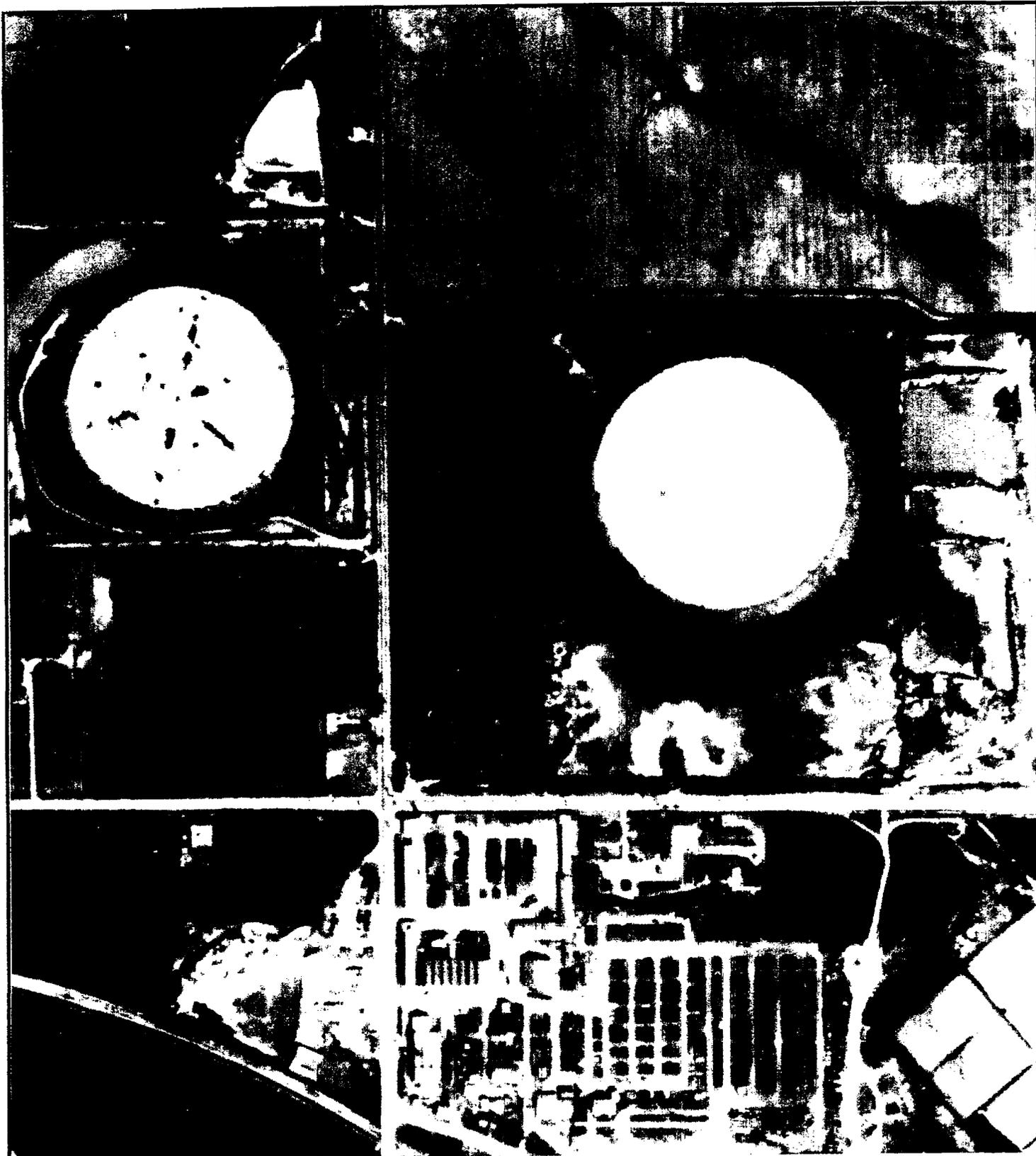
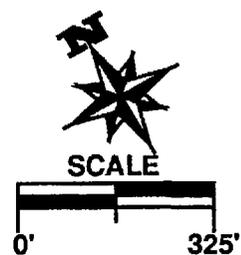


FIGURE 2-3
1937 AERIAL PHOTO
WASTE DISPOSAL INC.



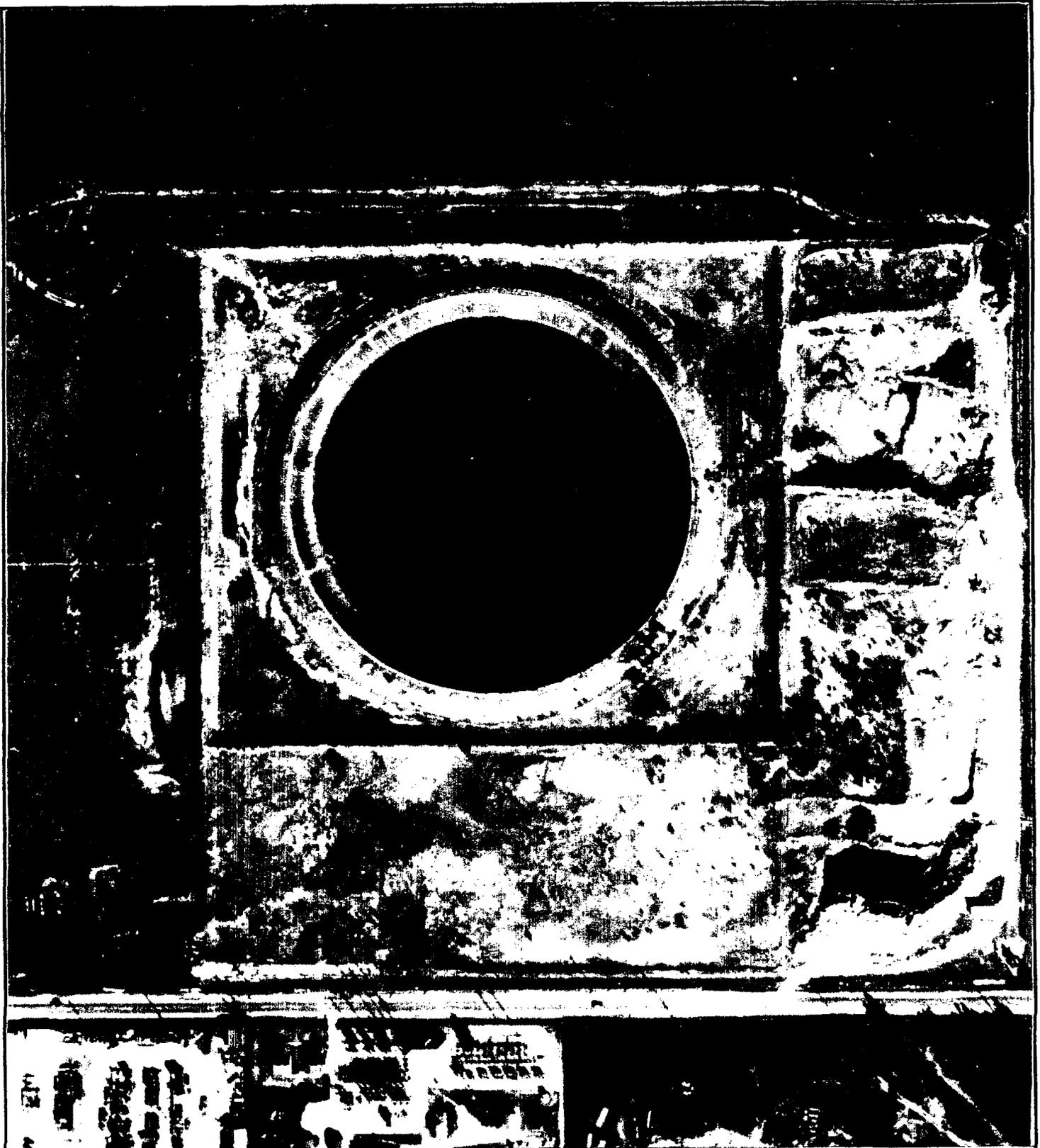
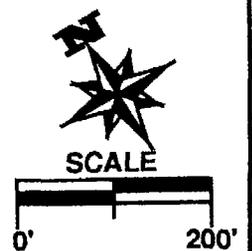


FIGURE 2-4
1945 AERIAL PHOTO
WASTE DISPOSAL INC.



as Waste Disposal Inc.) Industrial Waste Permit 57 for operation of the dump, allowing acceptance of rotary drilling mud, clean earth, rock, sand and gravel, paving fragments, concrete, brick, plaster, steel mill slag, and dry mud cake from oil field sumps.

At the time, the one million barrel capacity reservoir, located in the center of the site, was surrounded on three sides by an earth dike, which was itself surrounded by a channel. Many unlined ponds and sumps also existed at the site.

Industrial Waste Permit 57 included provisions for rotary drilling mud and all suitable solid fill material.

6. On August 5, 1953, a request by Fernando Caneer on behalf of Waste Disposal Inc. to accept acetylene sludge for disposal was granted by the County of Los Angeles, Department of County Engineer. At the time, Waste Disposal Inc. was disposing 15,000 barrels of rotary mud per week and wished to accept 200 barrels per week of acetylene sludge from Security Engineering and 20 barrels per week of acetylene sludge from Chicksan Co.
7. On April 21, 1953 Special Permit 634 was amended to allow 24 hour per day operation of the site (Esse 1953). On March 15, 1955 Special Permit 1032 was issued by the County of Los Angeles, Regional Planning Commission, to allow Waste Disposal Inc. to annex an area 600 feet north of Los Nietos Road, and west of the reservoir for the disposal of drilling mud (O'Grady 1955, Pitts 1955, Breivogel 1955, 1956).
8. At least twice during operation of the facility the reservoir and dike system were inadequate to contain disposal liquids, sludges and mud. In 1956, liquid flowed and was pumped through "gopher holes" in the dike into a surrounding channel, and toward Greenleaf Avenue (Matthiesen 1956a). The flow of this liquid, which was estimated to be 5 gallons per minute (Matthiesen 1956b), also spilled onto adjacent property. During the winter of 1962, after

heavy rain, liquids containing oily substances seeped through the northerly dike onto the nearby St. Paul's Catholic High School grounds, traveling as far as the baseball diamond (Moore 1962a, 1962b).

9. The practice of dumping oil well mud to the west of the reservoir began as early as 1950, and by 1955 "numerous deep sump holes filled with material and oil sludge" occupied many areas outside the reservoir (Tweedy 1950, Waste Disposal Inc. 1955). However, on May 9, 1957, for the first time since the facility was permitted, Fernando Caneer was observed pumping liquid from the reservoir to an adjacent unlined sump (Otteson 1957). After this incident, the ground surface and unlined sumps surrounding the reservoir were used regularly for the disposal of liquid wastes.

According to County of Los Angeles, Department of County Engineer, Industrial Waste Division, Dump Inspection Reports, when disposal of liquids in the reservoir was discontinued, liquids were sometimes disposed of on the ground (Otteson 1958). The companies responsible for these practices were observed on at least two occasions--on July 17, 1958 when B and H Vacuum discharged liquids from Union Pacific Railroad and on May 9, 1965 when Hollbrook and Sons discharged truck washings (Grancich 1958a, Otteson 1962, Moore 1965).

Buildings adjacent to WDI's eastern edge, along Greenleaf Avenue, also discharged waste liquids onto the WDI site. Two of these companies were identified as B and B Deburring and the Roberts Company. Liquids from these sources were found by County of Los Angeles, Department of County Engineer, Industrial Waste Division inspectors, along the southern edge of the WDI site (Coates 1959, Moore 1958, Collins 1959, Medley 1959). "Ponding" of these waste liquids also occurred along the entrance road from Los Nietos Road to the WDI site (Moore 1958).

As early as July 29, 1953, the Los Angeles County sewer system received liquids from WDI: "Waste water is discharged after

suitable treatment by temporary pipe line into the sanitary sewer" (Fox 1953a). Waste water appears to have been discharged into a channel leading to Greenleaf Avenue. Later, a pipe was installed to allow liquids to flow directly onto Greenleaf Avenue and into the sewer. Sometime after March 1960, a pipe from WDI was connected to the Los Angeles County sewer system with County of Los Angeles, Department of Sanitation approval (Partin 1956b, Carothers 1956, Medley and Coates 1960).

10. A 1958 photograph shows standing liquid in the reservoir, the northern corner of the containment area surrounding the reservoir and the area west of the reservoir (Figure 2-5). However, beginning in October 1958, solid fill was accepted and used to grade over the site (Grancich 1958b). By September 1961, the concrete reservoir was 50 percent full; by June 1962, it was 75 percent full; by November 1962, the reservoir was completely full of solid material and liquids flowed into diked areas (Moore 1962c, 1962d). By October 1964, the site was closed to the public; final grading of the site with topsoil continued until the end of 1966.
11. A 1983 photograph shows that several businesses have moved onto the site since it was closed for dumping (Figure 2-6).

2.3 LAND USE

Present land use practices on the area occupied by the WDI reservoir are limited (Figure 2-7). The majority of the area is covered with fill and a thick growth of vegetation and, other than being used for the temporary storage of equipment by area businesses, it is currently vacant. However, several area residents/workers appear to be using the site to access surrounding property.

To the north and west is the Fedco food distribution center, one large warehouse, with numerous loading docks, railroad tracks, a water tank and storage yard. To the west is a large building which is shared by at least eight tenants including Sleek Craft Boats, F & H Garcia Plumbing,

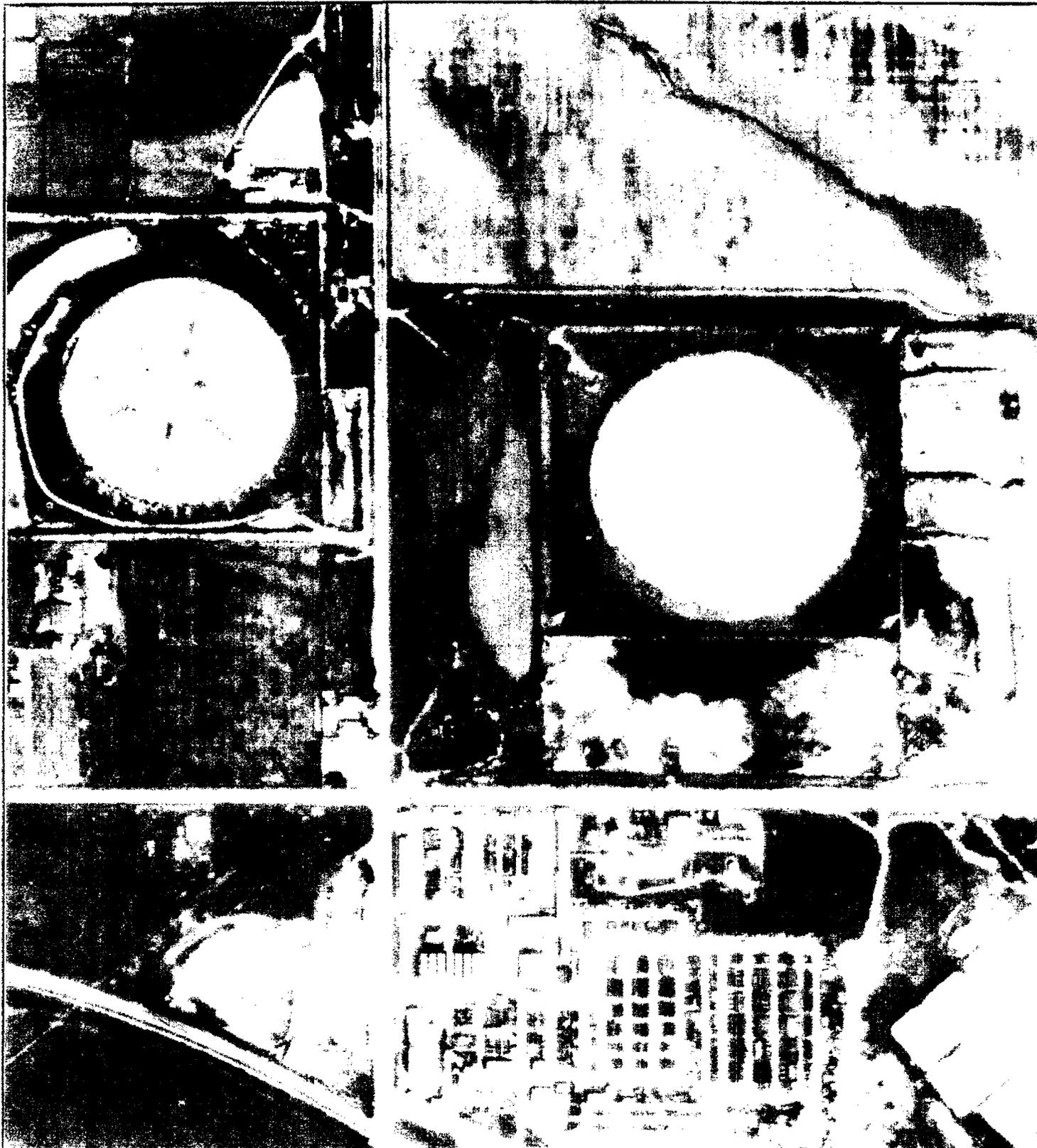
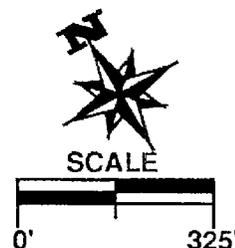


FIGURE 2-3
1937 AERIAL PHOTO
WASTE DISPOSAL INC.



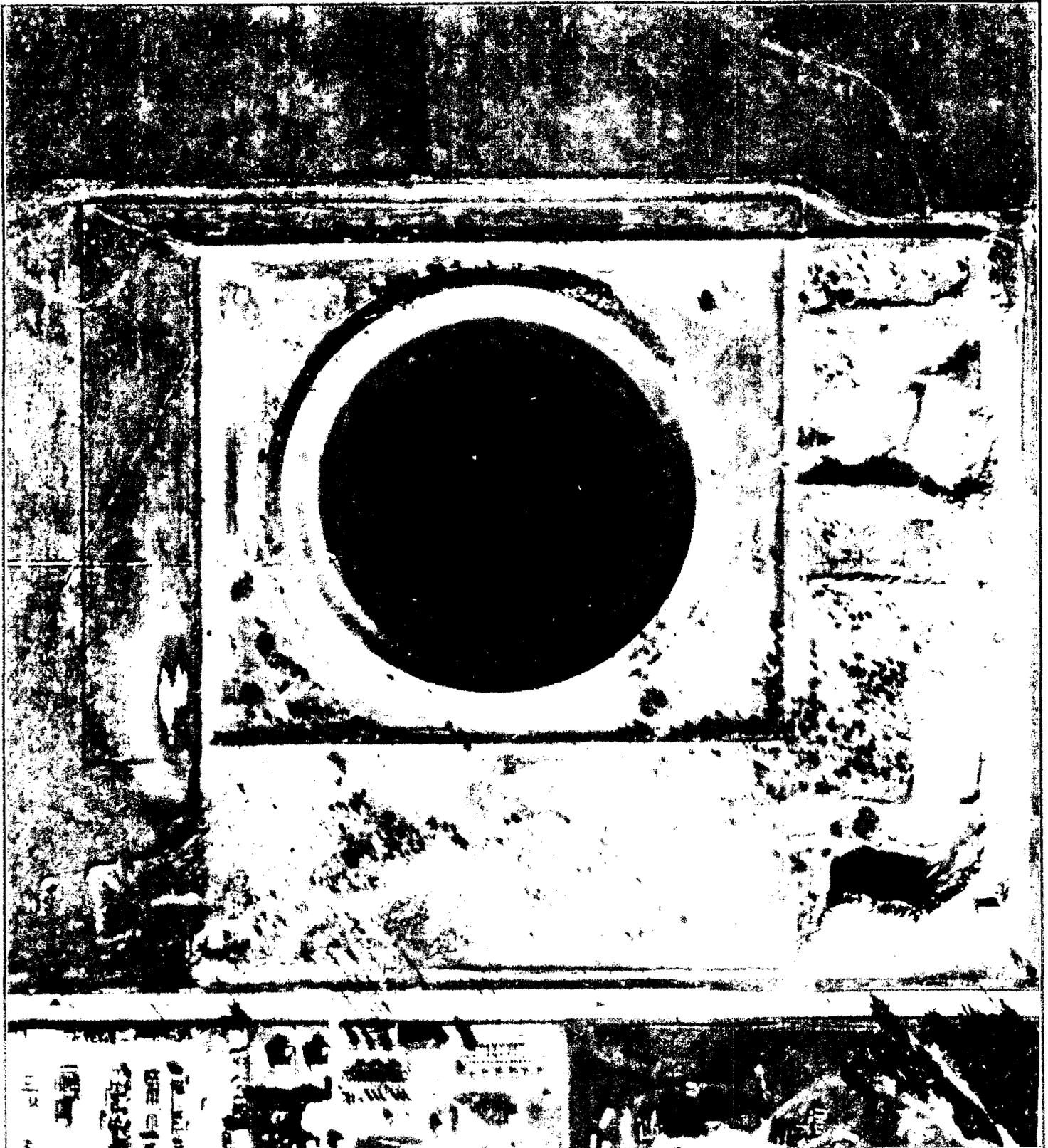
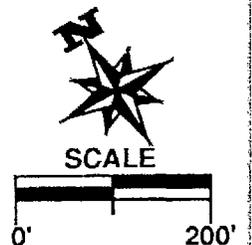


FIGURE 2-4
1945 AERIAL PHOTO
WASTE DISPOSAL INC.



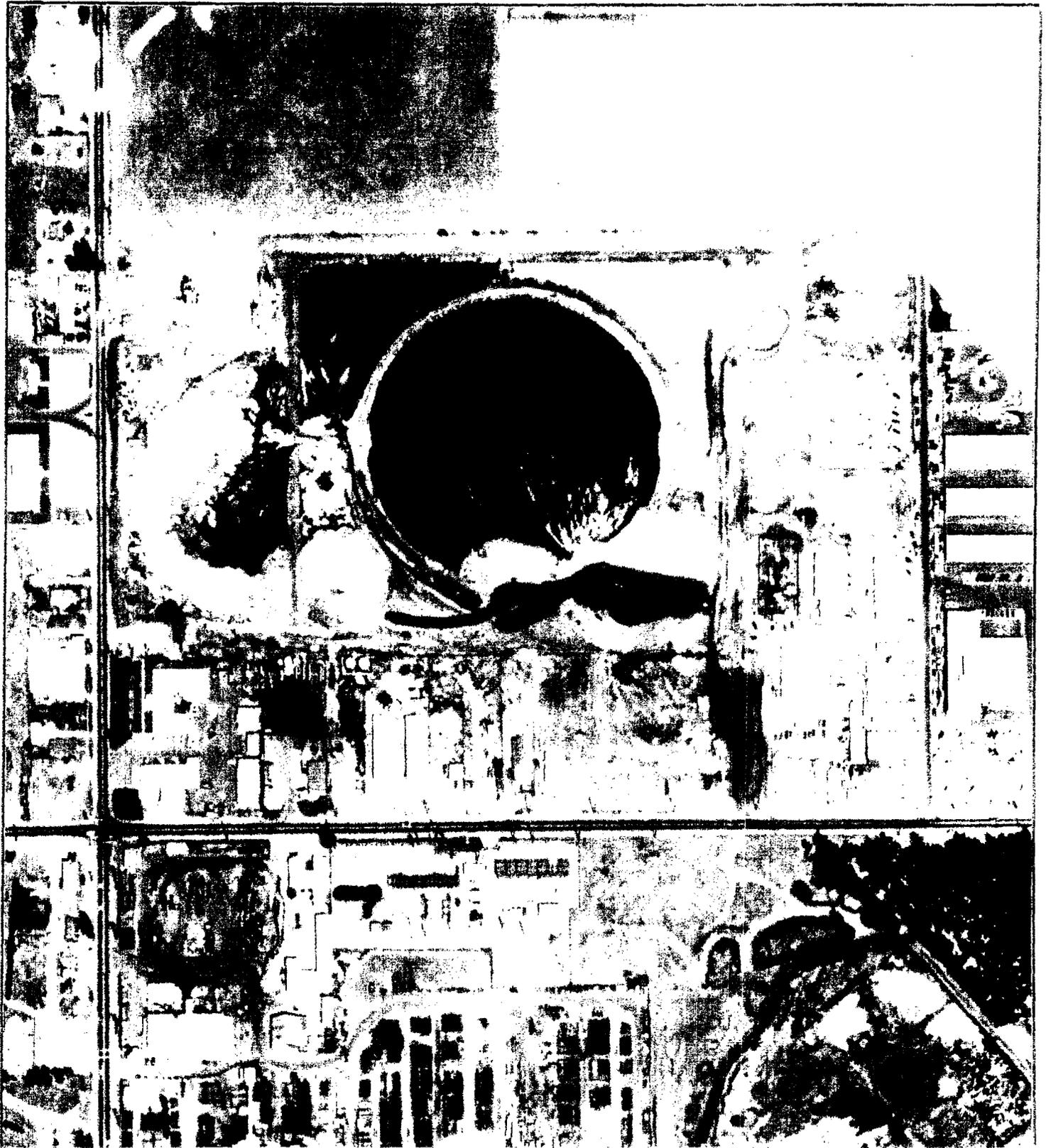
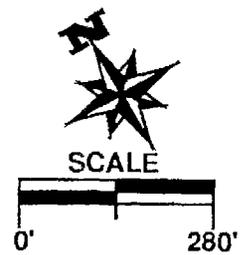


FIGURE 2-5
1958 AERIAL PHOTO
WASTE DISPOSAL INC.



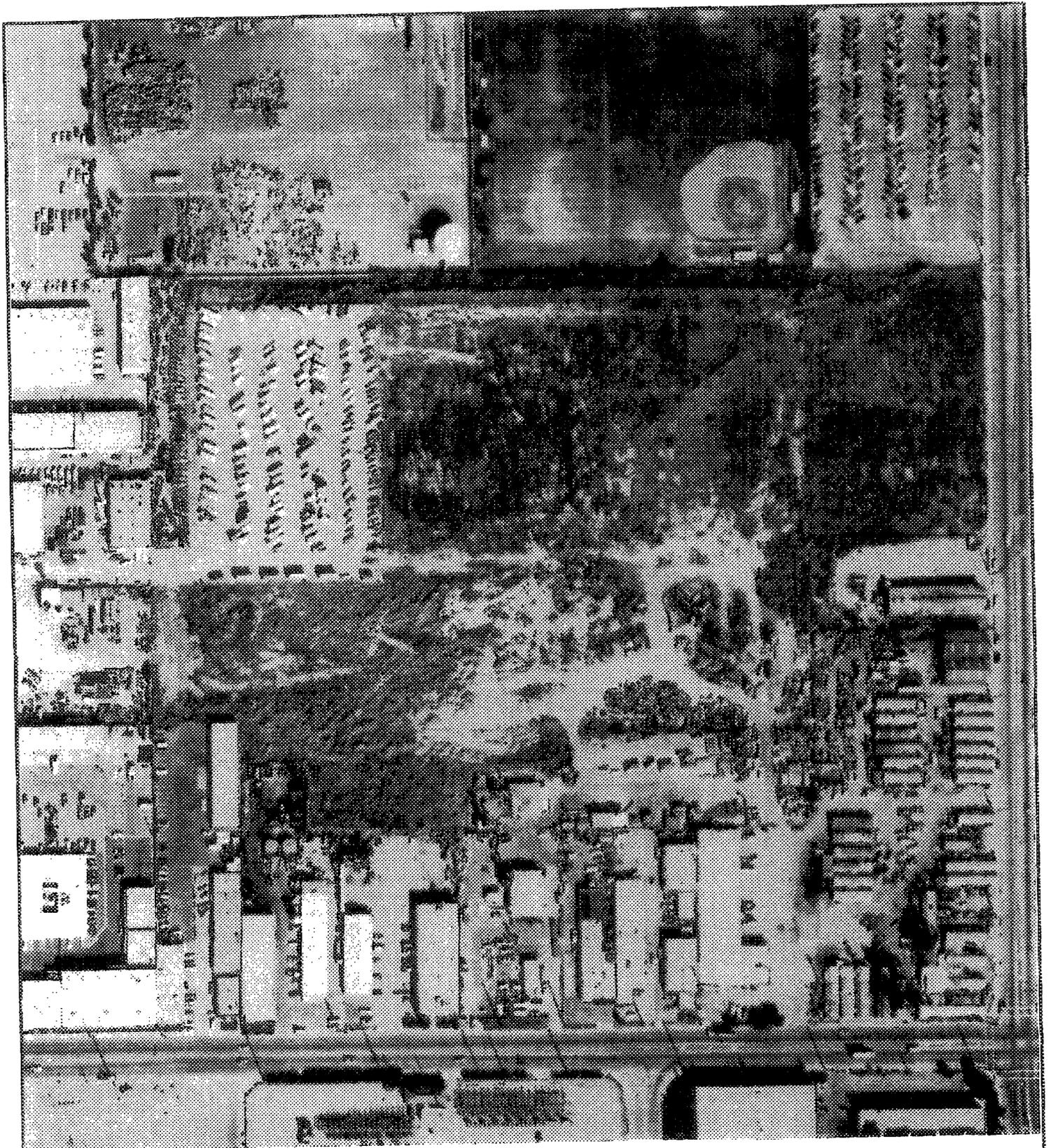


FIGURE 2-6
1983 AERIAL PHOTO
WASTE DISPOSAL INC.

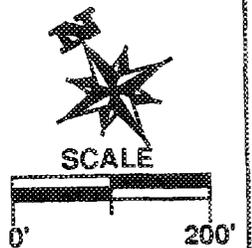
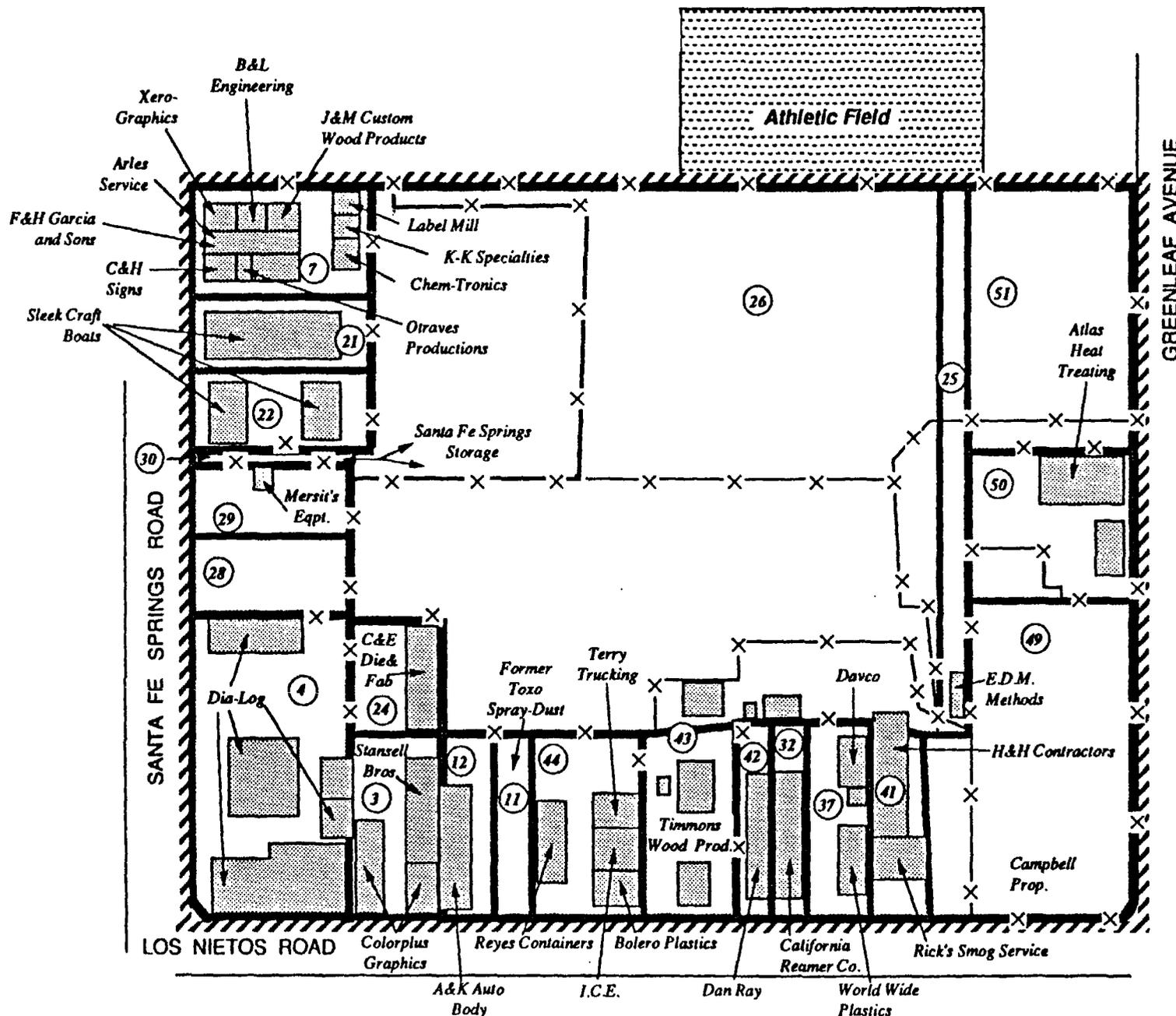


Figure 2-7
LAND USE MAP
 WASTE DISPOSAL INC.

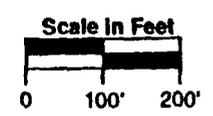


LEGEND:

-  Existing Buildings
-  Parcel Number
-  Parcel Boundary (approximate)
-  Site Boundary
-  Fence
-  Businesses Encompassed by Sump 8

Parcel Owners:

- 3 - Raymond Holbrook
- 4 - Dia-Log Company
- 7 - Ralph Horowitz
- 11 - Ovil Proctor
- 12 - Ovil Proctor
- 21 - John Maple, Lucille Ferris
- 22 - John Maple, Lucille Ferris
- 24 - Raymond Halbrook
- 25 - Joe Bennett
- 26 - Joe Bennett
- 28 - James Mersits
- 29 - James Mersits
- 30 - Joe Bennett
- 32 - David Neptune
- 37 - George Ortega
- 41 - Gene Welter
- 42 - Meade Peoples
- 43 - Ed Timmons
- 44 - Gale Searing
- 49 - Phil Campbell
- 50 - William Elliot
- 51 - Joe Bennett



Xerographics, B&L Engineering, J&M Custom Wood Products, Label Mill, and K-K Chemtronics. The building associated with Mersit's Equipment Sales and Service is almost directly northwest of the reservoir. Located between Sleek Craft Boats and Mersit's is Santa Fe Springs Storage which contains only a narrow access road from Santa Fe Springs Road, a trailer/office, and an asphalt-covered lot used for the storage of recreational vehicles (RVs).

To the west of Santa Fe Springs Storage and the WDI reservoir is Dia-Log, an oil well logging company. Also to the west are a number of small businesses. These businesses are located immediately to the north and east of Los Nietos Road. They include Color Graphics Plus, A&K Auto Body, Whittier Wood Products, Dan Ray, California Reamer Company, Rick's Smog Service and Auto Repair, and a sawmill. As recently as 1986, a pesticide manufacturing and storage facility--Toxo Spray Dust Inc.--was also located in this area.

To the south of the WDI reservoir is a parcel owned by Mr. Phil Campbell. Although a large portion of this property at the corner of Los Nietos Road and Greenleaf Avenue is now vacant, a group of quonset huts were located here until late 1987. These quonset huts contained numerous businesses which at various times included but were not limited to a machine shop, an ornamental nursery and an explosive manufacturing and storage facility. Today the lot is vacant with the exception of 4 quonset huts which remain along the east side of the property adjacent to Greenleaf Avenue. The southern two quonset huts are owned by Mr. Campbell and are used for general storage purposes. Atlas Steel Treating, a metals finishing business, owns the northern two quonset huts as well as the lot on which they reside.

Across Greenleaf Avenue, to the southeast and east of the site are residences. To the northeast is St. Paul's High School. The features which border the site most immediately are the school's athletic fields and parking lot. Behind St. Paul's is a large office complex which is currently being only partially used by Primo Warehouse Distributors.

2.4 PREVIOUS SITE INVESTIGATIONS

As shown on Figures 2-2 and 2-3, the WDI site consists of many individually owned parcels of land. Several of these parcels and the central portion of the site, which contains the reservoir and sumps, have been the focus of previous site characterizations (Figure 2-8). The following discussions describe the results of this work.

2.4.1 Geotechnical and Engineering Studies

Geotechnical and engineering studies of the WDI site have occurred sporadically over the past 18 years. These include:

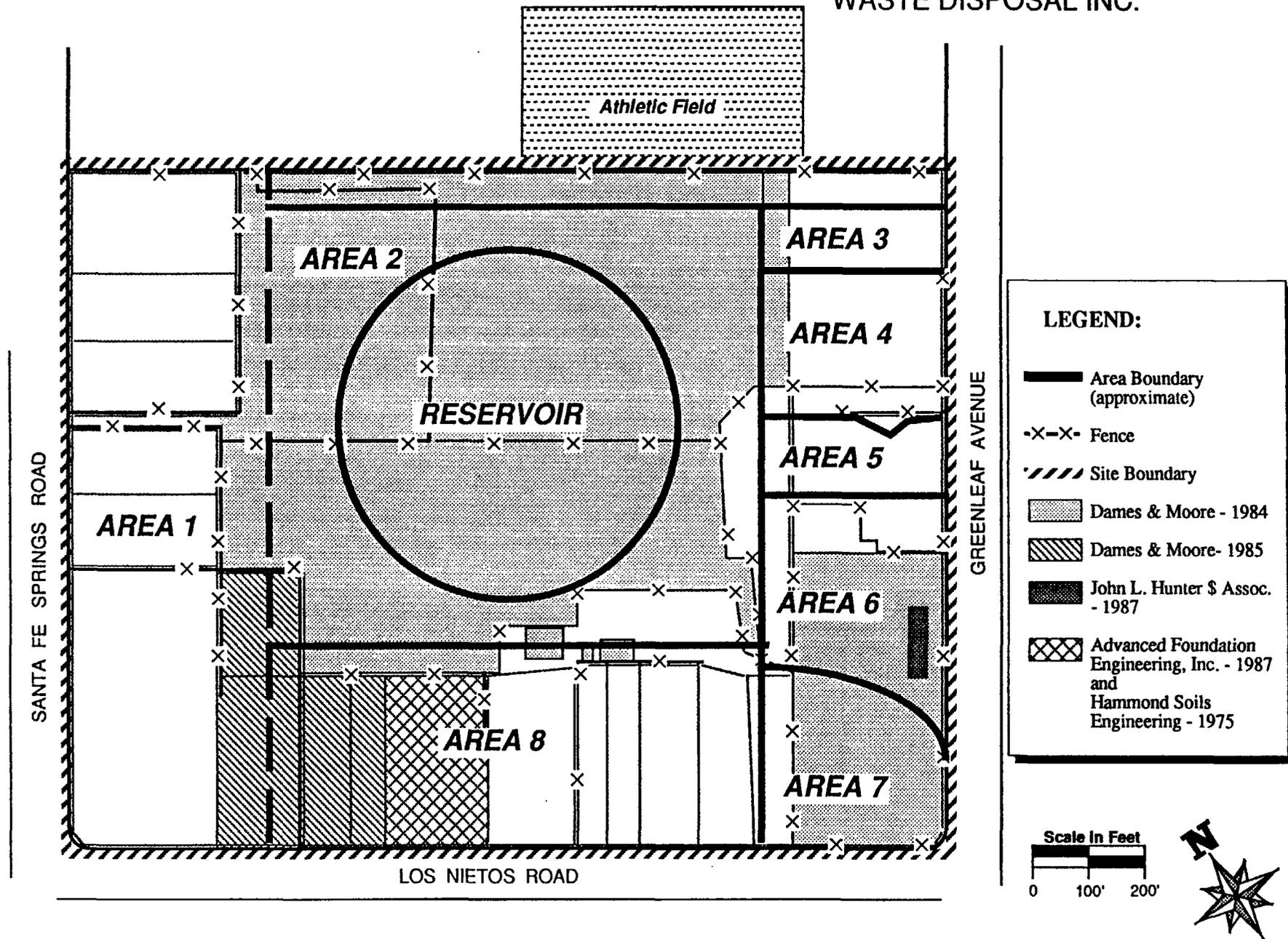
- o Advanced Foundation Engineering, Inc., 1971
- o Hammond Soils Engineering, 1975
- o Moore & Tabor, 1981
- o Dames and Moore, 1984
- o Dames and Moore, 1985

The following discussion briefly summarizes the results of each of these studies:

- Advanced Foundation Engineering Inc., 1971

In 1971, Advanced Foundation Engineering Inc. conducted a Preliminary Foundation Investigation for a proposed industrial building to be located at 12707 East Los Nietos Road, in the southern section of the WDI site (AFE 1971). This site is underlain by approximately 3 feet of fill material. Generally, this material consists of expansive clayey silt underlain by silty clay with fine sand to 15 feet and with sandy soil to 20 feet (AFE 1971).

Figure 2-8
**PREVIOUS SITE
 INVESTIGATIONS**
 WASTE DISPOSAL INC.



- Hammond Soils Engineering, 1975

In 1975, Hammond Soils Engineering conducted a Fill Investigation and Preliminary Soils Study of the same parcel for Coastal Developers Co. According to this work, fill material was located over approximately two-thirds of the site. The fill was described as mottled sandy silt and clay with some deleterious material and oil contaminated soil (HSE 1975) and was found to a depth of approximately 7.5 feet at the extreme north of the area, 8.5 feet in the center and 1.5 feet in the south. Hammond determined that the fill was underlain by firm to hard, moist, reddish brown, clayey silt or silty clay to a depth of 10 feet.

- Moore & Taber, 1981

Moore & Taber conducted a Foundation Investigation in 1981 for a proposed commercial/industrial park to be located on approximately 4.8 acres of land at the northeast corner of Greenleaf Avenue and Los Nietos Road for Castille Builders, Ltd. (Moore and Taber 1981). This site is adjacent to and south of the WDI site. The results of this investigation indicate that loose fill, approximately 1 to 5 feet deep, covers the majority of this site. This fill is described as silty sand and clayey silt with intermixed trash and debris. The sumps on the WDI site are reported to be ten to fifteen feet deep and contain debris mixed with bentonite. The alluvial deposits underlying the fill are described as interbedded, moderately dense to dense, fine to medium silty sand, and soft to very soft clayey and sandy silt. This material is reported to a depth of 16 feet.

- Dames and Moore, 1984

Work done by Dames and Moore in 1984 found 3 to 4 feet of fill covering areas of the WDI site, including over the center of the concrete reservoir (Dames and Moore 1984). The log from Boring 2, located approximately 150 feet west of the reservoir edge,

indicates that natural soil consisting of clay with silt and sand was found between 14 and 18 feet (Dames and Moore 1984). The log for Boring 3, located approximately 200 feet north-northeast of the reservoir edge, indicates fill to a depth of 8 feet, underlain by clay and silt from eight to 21.5 feet and clean sand from 21.5 to 23.5 feet. The log for Boring 4, located approximately 200 feet southeast of the reservoir edge, indicates that the fill in this area is between 4 to 9 feet deep and is underlain by clay and silt; silty clay between 9 and 18.5 feet and clayey sand was reported between 18.5 and 20 feet.

- Dames and Moore, 1985

Dames and Moore conducted Phase II remedial investigation activities at the WDI site and adjacent athletic field in 1985. The purpose of this work was to evaluate the chemical character of the surface soil at WDI as well as in a portion of the athletic field, and to assess groundwater quality in the uppermost saturated zone both upgradient and downgradient from the site. "In general, the samples consisted of loose silty sand, fine gravel with occasional asphalt, concrete, and wood fragment, and plant matter" (Dames and Moore 1985).

The logs for the three groundwater monitoring wells which Dames and Moore installed are more detailed. The log for well MW-1, located approximately 50 feet northeast of the WDI reservoir, indicates silty sand, gravel and concrete fragments to a depth of 1 foot, underlain by silty clay with traces of fine sand to a depth of 3 feet, underlain by a 1 foot concrete layer. Beneath the concrete layer, the log indicates black oily sludge to a depth of 14 feet, underlain by sand, traces of clay, and some silt to a depth of 22 feet, then very fine to medium sand to a depth of 40 feet. Between 40 and 48 feet, the log for MW-1 indicates the presence of sand, clayey silt and combinations thereof. This is underlain by sand to a depth of 52.5 feet (water level), sand with some silt to 65 feet, and fine to medium sand to 75 feet.

Groundwater monitoring well MW-2 was originally drilled into one of the sumps which surround the WDI reservoir. Although the log shows silty sand with some gravel and concrete fragments to a depth of 5 feet, the well was abandoned at a depth of 15 feet when it was determined that this material was underlain almost exclusively by wet, grey silty clay/waste and free liquid.

The second attempt to drill MW-2 was more successful. The location of MW-2 was moved to the west, just south of the WDI reservoir. The log for this well indicates silty clay with some sand (Dames and Moore calls this natural soil) to 25 feet, underlain by sand and fine gravel to termination of the boring at 77 feet. An interbedded layer of silty clay matrix is indicated between 33 and 38 feet, and interbedded fine sandy silt and clayey silt is indicated between 49 and 52 feet. Water level is indicated as being 50.5 feet.

The log for groundwater monitoring well MW-3, located approximately 150 feet west of the WDI reservoir, indicates sandy silt, with some clay, brick, concrete, and glass fragments to a depth of 9 feet. This is underlain by clayey silt and silty clay (native soil) to a depth of 23 feet, and by sand to 74 feet, at which point the boring was terminated. An interbedded silty clay and clayey silt matrix is indicated between 33 and 38 feet. Water level is indicated as being 50.5 feet.

2.4.2 Studies to Assess the Nature and Extent of Contamination

2.4.2.1 Toxo Spray Dust

According to aerial photos of the WDI site (ASCS 1953), Toxo Spray Dust Inc. (Toxo) first owned and operated a pesticide manufacturing and storage facility adjacent to the WDI reservoir in 1953.

On July 1, 1986, Dames and Moore (1986b) collected two samples from the flooring in the former dry-mix area of the Toxo production building (Figure 2-9). On July 9, 1986, six shallow soil vapor probes were installed. The vapor probes were constructed of 1-inch diameter steel pipe and were 6 feet in length. Vapor concentrations were measured over 15-minute periods with an organic vapor analyzer (OVA), natural gas indicator (NGI), and an HNu Photoionization Detector (HNu). A vapor sample was collected from vapor probe VP-1 for chemical analysis.

In September 1986, the Toxo operations building was demolished. Following the demolition, Dames and Moore collected two soil samples at a depth of 10 inches from directly beneath the former building location (Figure 2-10).

The results of this work are shown in Table 2-2. Floor samples contained methylparathion, ethylparathion, endosulfan I, and endosulfan II. The sample from VP-1 contained 231,000 ppm (23.1 percent by volume in air) of methane and 597 ppm of total nonmethane hydrocarbon as hexane. The soil samples contained malathion, ethylparathion and endosulfan I. Soils also contained concentrations of aldrin, 4,4'-DDE and 4,4'-DDT which exceed the state of California total threshold limit concentration (TTLC) limits for hazardous waste. This work resulted in the California Department of Health Services requiring that the Toxo Spray Dust building be demolished and hauled to a Class I landfill for disposal.

Approximately 16 cubic yards of soil were excavated (see Figure 2-11) from the site. On March 31, 1987, this material was disposed of at a Class I landfill owned and operated by Chemical Waste Management, Inc. in Kettleman Hills, California (Proctor 1989).

2.4.2.2 Campbell Property

During May 1986, Dames and Moore installed four vapor probes on the Campbell property to a depth of 5 feet (Figure 2-12). Total organic vapor concentrations within the soil gas were measured by extracting gas from the soil through the probe with a vacuum pump and analyzing it with an OVA and an NGI.

TABLE 2-2
 CONTAMINANTS FOUND AT
 TOXO SPRAY DUST INC. PROPERTY
 AUGUST 1986

Sample Number	Sample Type	Sample Depth	Methyl-Parathion (ppm)	Ethyl-Parathion (ppm)	Endosulfan I (ppm)	Endosulfan II (ppm)	Methane (ppm)	TNMHC as Hexane (ppm)
FS1	Solid	Floor	12	2.4	6.9	5	NA	NA
FS2	Solid	Floor	46	37	220	140	NA	NA
VP1	Vapor	6 ft	NA	NA	NA	NA	231,000	597

Source: Adapted from Dames and Moore (August 1986c).

NA - Not Analyzed.

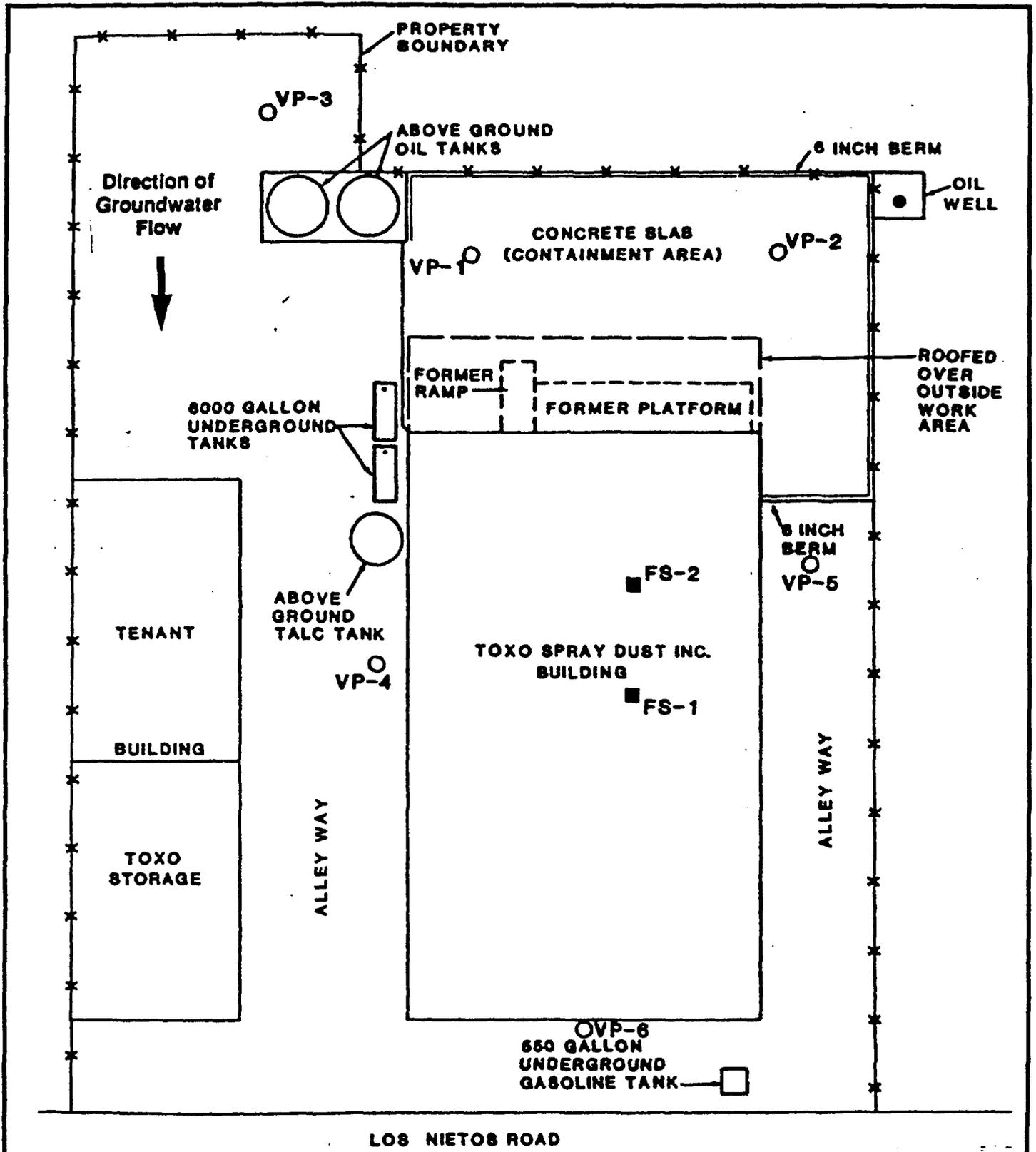
TNMHC - Total Nonmethane Hydrocarbons.

CONTAMINANTS FOUND AT
 TOXO SPRAY DUST INC. PROPERTY
 NOVEMBER 1986

Sample Number	Sample Type	Sample Depth	Malathion (ppm)	Ethyl-Parathion (ppm)	Endosulfan I (ppm)	Endosulfan II (ppm)	Aldrin (ppm)	4,4'DDE (ppm)	4,4'-DDT (ppm)
1A	Soil	Surface	100	11	200	90	3 ¹	6 ¹	300 ¹
2A	Soil	Surface	18	6.6	40	20	3 ¹	7 ¹	200 ¹

Source: Adapted from Dames and Moore (1986d).

¹ Exceeds California DHS TTLC Limits.



EXPLANATION:

FS-1 ■ FLOOR SAMPLE LOCATIONS

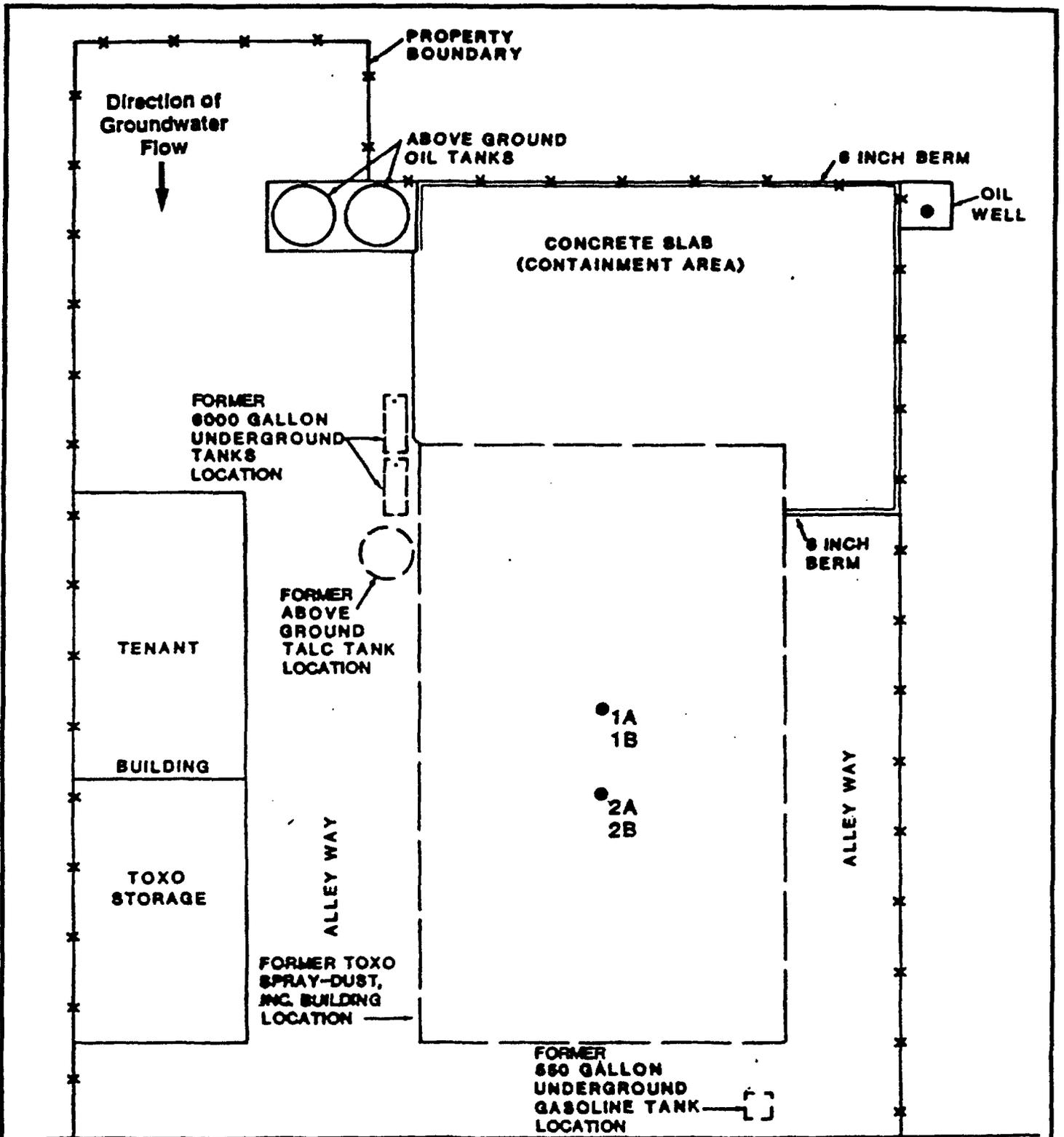
VP-1 ○ VAPOR PROBE LOCATIONS

NOT TO SCALE



Figure 2-9
**FLOOR SAMPLING LOCATIONS
 TOXO SPRAY DUST INC. SITE**

SOURCE: Adapted from Dames & Moore (1986b).



EXPLANATION:

1A ● SOIL SAMPLE LOCATION
1B

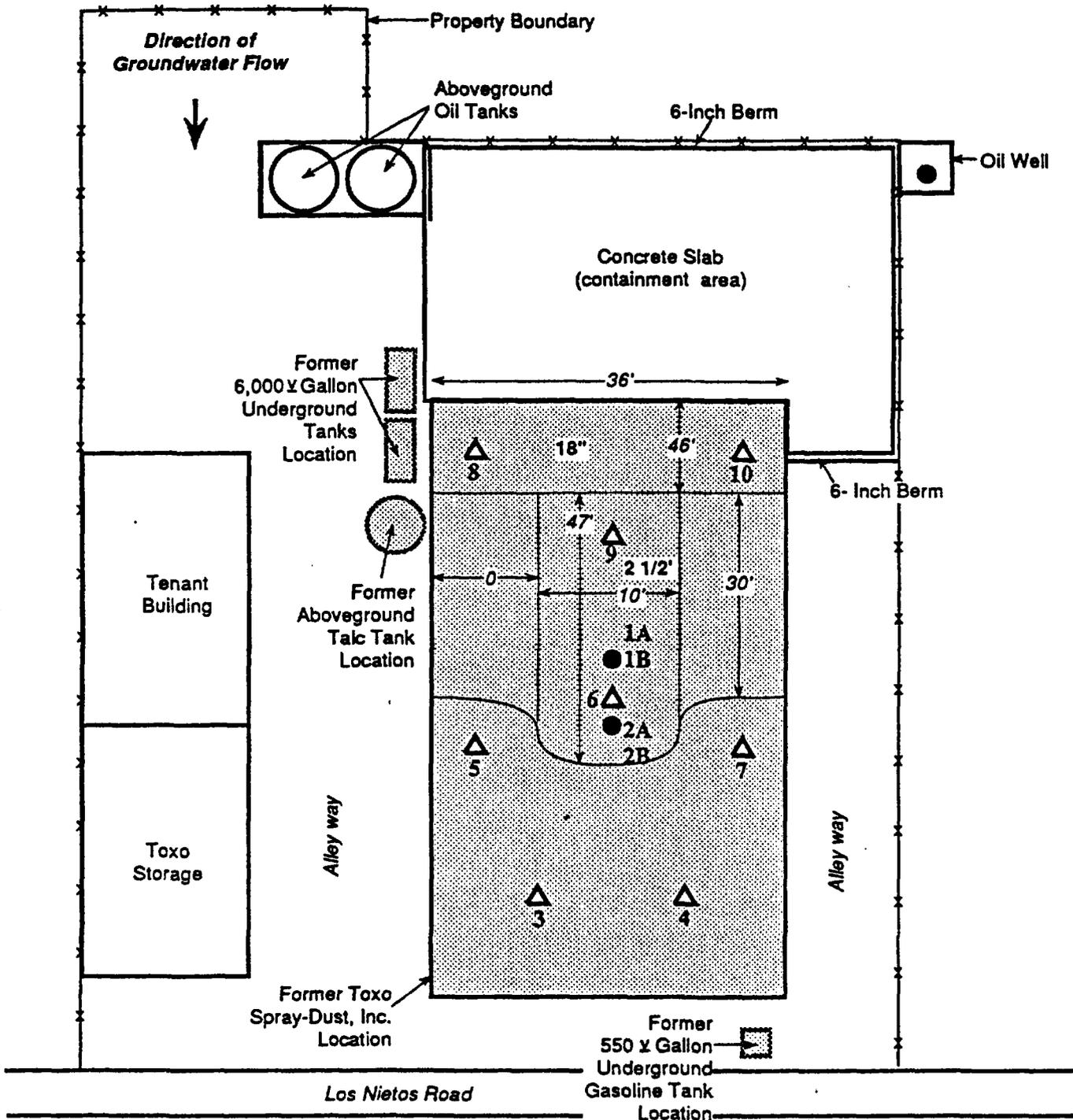
NOT TO SCALE



Figure 2-10

**SOIL SAMPLING LOCATIONS
TOXO SPRAY DUST INC. SITE**

SOURCE: Adapted from Dames & Moore (1986c).



EXPLANATION:

- Soil Sample Location
- △ Proposed Sampling Location
- Exposed Soil

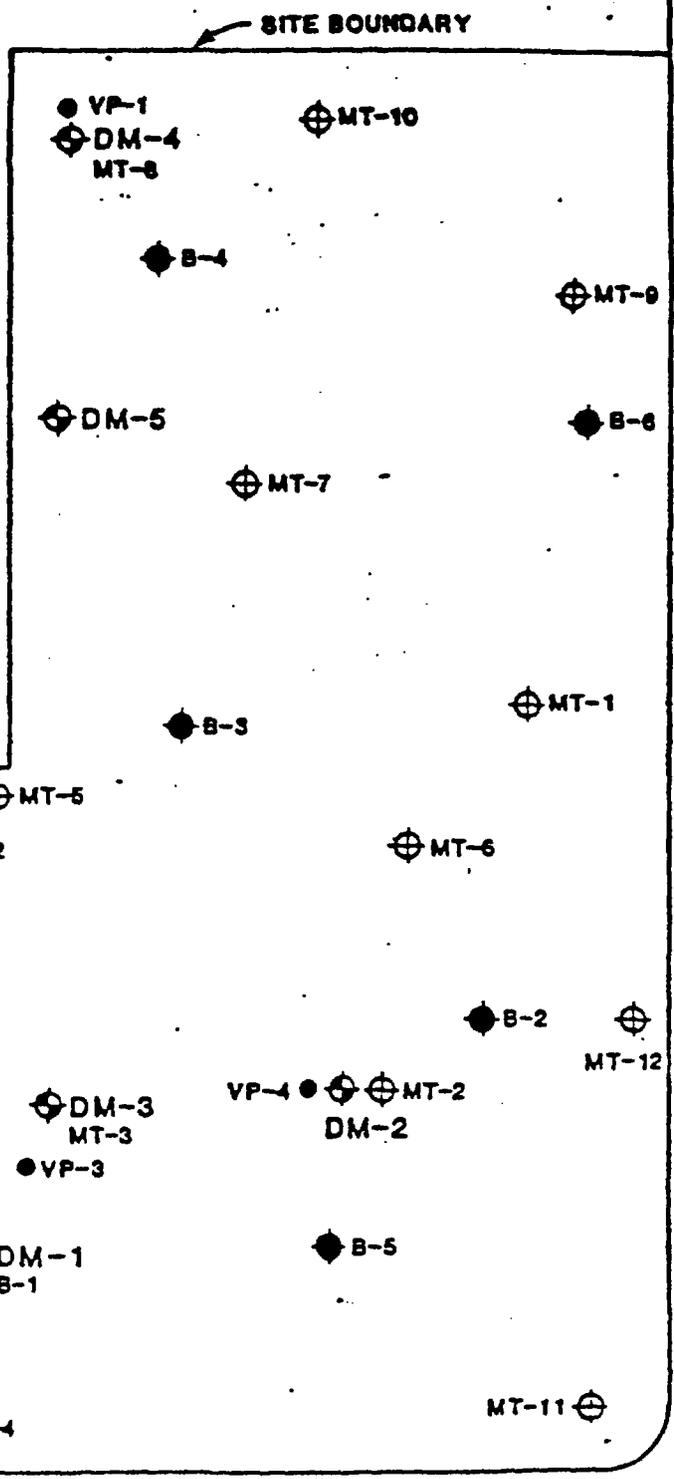


NOT TO SCALE

Figure 2-11
**SOIL EXCAVATION LOCATIONS
 TOXO SPRAY DUST INC. SITE**

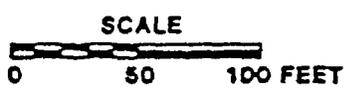
Direction of Groundwater Flow (Assumed)

BORINGS IN WHICH DRILLING MUDS WERE ENCOUNTERED	
BORING	DEPTHS
DM-1	10-16
DM-2	5-16.5
DM-3	5-16
B-1	7-15
MT-2	7-14
MT-3	8-11
MT-8	4-10



WASTE DISPOSAL INC. SITE

DM-6



EXPLANATION:

- DM-1 ⊕ DAMES & MOORE BORING (1986)
- B-4 ◆ E.J.N & ASSOCIATES BORING (1985)
- MT-3 ⊕ MOORE & TABER BORING (1981)
- VP-1 ● VAPOR PROBE

LOS NIETOS ROAD

GREENLEAF AVENUE

Figure 2-12
BORING LOCATION MAP
CAMPBELL PROPERTY

SOURCE: Adapted from Dames & Moore (1986a).

Dames and Moore also drilled 6 soil borings on the Campbell property. Four of these borings (DM-1, 2, 3, and 4) were drilled in areas where drilling muds were previously encountered in the shallow subsurface. Borings DM-4, DM-5 and DM-6 were drilled adjacent to the WDI site in order to evaluate whether hazardous chemical compounds have migrated across the property boundary.

Samples were collected at approximately 2.5-foot intervals and borings were completed to depths ranging from 16.5 to 21.5 feet. Five soil samples were retained for analysis of Title 22, California Code of Regulations (CCR) metals, U.S. EPA priority pollutant organics (Methods 8240 and 8270), and pH. Samples yielding high OVA readings were analyzed.

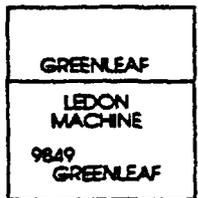
On June 25, 1986, Dames and Moore installed three shallow (5 to 6 feet) soil vapor probes and performed 21 CPT (cone penetrometer test) soundings at the Campbell property. The purpose of this work was to: (1) better estimate the extent of sumps and associated soft material at the site, and (2) utilize shallow vapor probes to assess the nature and concentration of organic vapors in the soils beneath the site.

The vapor probes were monitored with an OVA and an NGI. A gas sample was collected from each of the vapor probes for chemical analysis. Each of the soundings were plotted and interpreted, and the volume of sump and overburden material were estimated. Using cone penetrometer testing (CPT), one was identified (Dames and Moore 1986a). The total volume of material in this sump was estimated to be between 10,000 and 16,000 cubic yards.

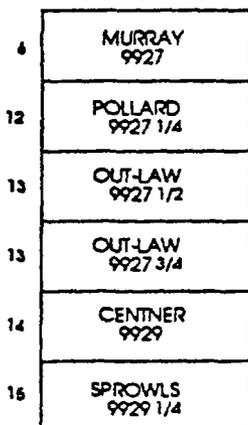
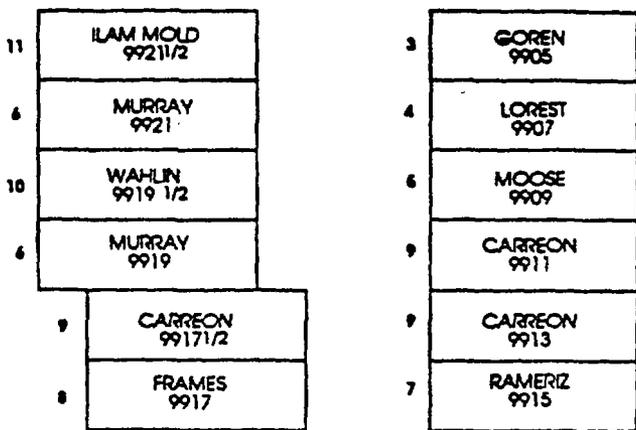
On December 8, 1987, four samples were collected from the Campbell property by John L. Hunter & Associates, Inc. (Figure 2-13). One sample was a composite from three locations west of a quonset hut located at 9925 Greenleaf Avenue. Two samples were collected by hand auger from 6 inches below the bottom of two pits near the southwest corner of a quonset hut located at 9925-1/2 Greenleaf Avenue. One of these samples (sample number 2) was collected from under a 3-foot-deep pit. The other sample was collected from under a 1-foot-deep pit. The last sample was collected by hand auger at a depth of 1 foot from a location which was 2 feet downstream and directly

NORTH

approx. scale
1" = 40'

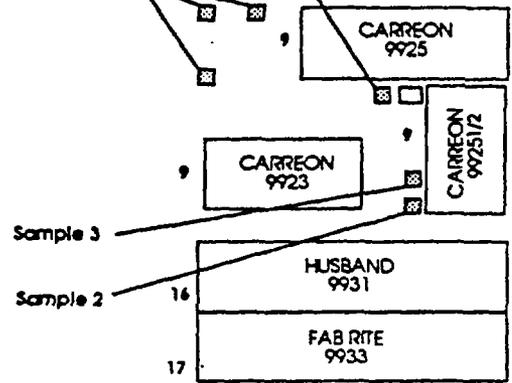


Driveway "A"

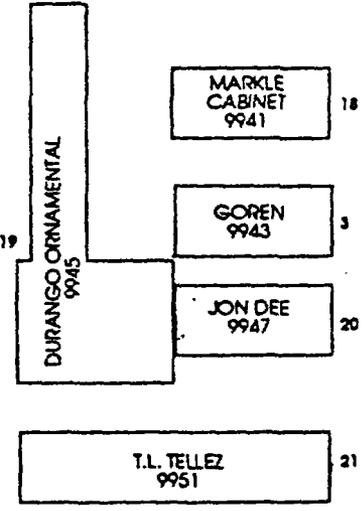
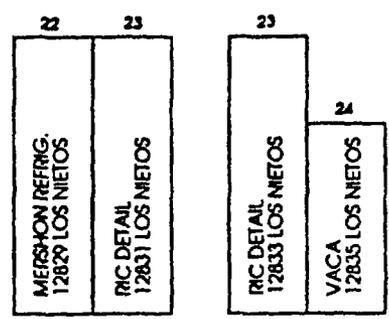


Sample 1 composite locations

Sample 4



DIRECTION OF GROUNDWATER FLOW



GREENLEAF AVENUE

LOS NIETOS ROAD

Figure 2-13
SURFACE SOIL SAMPLING
CAMPBELL PROPERTY

SOURCE: Adapted from Hunter (1988).

under a break in the industrial waste interceptor (sewer lateral) for the quonset hut at 9925-1/2 Greenleaf Avenue. Samples were collected following the unauthorized discharge of plating solutions to the ground from this facility (Hunter 1988).

All samples were analyzed for priority pollutant metals (using inductively coupled plasma emission [ICP]), nitrate (using EPA method 300.6), and pH (using EPA method 9040).

The results of Dames and Moore's laboratory analysis is shown in Table 2-3. Moderate levels of naphthalene, di-n-butyl phthalate and 2-methylnaphthalene were found in DM-1 at a depth of 6.0 feet. Boring DM-2 contained moderate to high concentrations of naphthalene, fluorene, phenanthrene, and 2-methylnaphthalene at a depth of 8.5 and 11 feet. Ethylbenzene was found at 8.5 feet but not at 11 feet. Di-n-butyl phthalate, isophorene and chrysene were found at 11 feet but not at 8.5 feet. Boring DM-3 contained relatively high concentrations of naphthalene, fluorene, phenanthrene, and 2-methylnaphthalene at a depth of 16 feet. Detectable concentrations of di-n-butyl phthalate were found at a depth of 3.5 feet in Boring DM-4. The pH of soil samples was found to be between 7.9 and 8.4. All metal concentrations were reported to be below the total threshold limit concentration (TTLC) and all but three metal concentrations were reported below the soluble threshold limit concentration (STLC), but the exact value of these concentrations was not been reported.

Analysis of gas samples by Dames and Moore indicates 9,500 ppm of methane at a depth of 6 feet in VP-1, no detectable concentration of gas in VP-2, and 11,200 ppm of methane, and 29 ppm of total nonmethane hydrocarbon as hexane at a depth of 6 feet in VP-3. Dames and Moore believe the vapors in VP-1 may be the result of lateral migration through the subsurface from the WDI site and that the vapors in VP-3 originate in the subsurface of the Campbell property (Dames and Moore 1986a).

Interpretation of Dames and Moore CPT soundings show the presence of very soft sump materials possibly including desiccated muds and loose fill (Table 2-4). Two approximations for the horizontal extent of the very soft

TABLE 2-3
CONTAMINATION FOUND AT CAMPBELL PROPERTY
I. SEMIVOLATILE PRIORITY AND NONPRIORITY POLLUTANTS

Boring Number	Sample Type	Sample Depth (ft)	Naphthalene (ppb)	Di-n-butyl phthalate (ppb)	Fluorene (ppb)	Phenanthrene (ppb)	Isophorone (ppb)	Chrysene (ppb)	2 Methyl Naphthalene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)
DM-1	Soil	6	200	2,300	ND	ND	ND	ND	140	250	ND
DM-2	Soil	8.5	21,000	ND	35,000	48,000	ND	ND	430,000	ND	7,500
DM-2	Soil	11	16,000	1,300	5,200	6,700	4,700	2,200	48,000	NA	NA
DM-3	Soil	16	40,000	ND	12,000	15,000	ND	ND	78,000	NA	NA
DM-4	Soil	3.5	ND	390	ND	ND	ND	ND	ND	NA	NA

Source: Adapted from Dames and Moore (1986a).

ND - Not Detected.

NA - Not Analyzed.

II. METHANE AND OTHER HYDROCARBONS

Boring Number	Sample Number	Sample Type	Sample Depth (ft)	Methane (ppm)	Total Non-Methane Hydrocarbons (ppm)
	VP-1	Vapor	6	9,500	ND
	VP-2	Vapor	6	ND	ND
	VP-3	Vapor	6	11,200	29

Source: Adapted from Dames and Moore (1986b).

ND - Not Detected.

TABLE 2-3 (Continued)

CONTAMINATION FOUND AT CAMPBELL PROPERTY

III. NITRATE AND METALS BETWEEN TTLC AND STLC LIMITS

Boring Number	Sample Number	Sample Type	Sample Depth	Nickel (ppm)	Copper (ppm)	Zinc (ppm)	Cadmium (ppm)	Lead (ppm)	Nitrate (ppm)
	Campbell #1	Soil	Surface composite of 3 samples	2,340 ¹	1,300	2,560	12	654	3,990
	Campbell #2	Soil	6 inches below a pit	78	43	1,200	2.9	7.5	ND
	Campbell #3	Soil	6 inches below a pit	18	28	574	1.3	399	26
	Campbell #4	Soil	1 ft near industrial waste interceptor	48	350	4,920	7.9	71	9

Source: Adapted from Hunter (1988).

¹ Exceeds TTLC Limit of 2,000 ppm.

ND - Not Detected.

TABLE 2-4

INTERPRETED DEPTHS OF SUMP MATERIAL
BASED ON CONE PENETROMETER SOUNDINGS

Sounding	Interpreted Depth of Very Soft Sump Material (feet)	Interpreted Depth of Desiccated Sump Material (feet)	Interpreted Depth Of Overburden (feet)
C-1	5-18	--	5
C-2	2-10	--	2
C-3	--	2-11	2
C-10	4-15	--	4
C-11	3-14	--	3
C-12	--	1-18	1
C-13	--	1-18	1
C-15	2-8	--	2
C-16	--	2-15	2
C-17	--	1-13	1
C-18	--	1-? ^a	1
C-19	--	2-? ^a	2
C-20	1-16	--	1
C-21	3-15	--	3

Note: ^a CPT appears to be on metal or concrete debris.

Source: Adapted from Dames and Moore (1986b).

material are shown on Figure 2-14. The inner zone, containing very soft material, has approximate dimensions of 100 feet by 175 feet with an average thickness of 10 feet. Very soft material was encountered as deep as 18 feet. Including the overburden, the volume of the inner zone would be on the order of 10,000 to 12,000 cubic yards. Assuming that the outer zone represents the margin of the sump, with generally shallower depths of sump material, the additional volume is expected to be on the order of 2,000 to 4,000 cubic yards.

The results of John L. Hunter and Associates' laboratory analysis (Hunter 1988) is shown in Table 2-5. The concentrations of metals for all samples are below the TTLC. The exception is sample number one which exceeds the TTLC for nickel. The STLC is exceeded for: chromium and nickel (samples 1, 2, 4); copper, zinc, and arsenic (sample 1); and cadmium and lead (all samples). However, a Waste Extraction Test (WET) was not performed. The concentration of nitrate varied from 9 to 3990 ppm although sample number 2 contained no detectable concentration of nitrate. The pH of samples varied from 5.6 to 7.9.

2.4.2.3 Reservoir Area

During the week of September 28, 1984, Dames and Moore drilled 4 borings at the WDI site (Figure 2-15). One of these borings was drilled in the center of the concrete reservoir and was terminated at a depth of 22.5 feet. The remaining 3 borings were drilled around the perimeter of the reservoir and were terminated at depths which range from 18.5 to 23.5 feet. Samples were collected every 2.5 feet. The concentrations of organic vapors were then measured using a portable HNu photoionization detector to determine which samples should undergo laboratory analysis. Selected samples were analyzed for California Assessment Manual (CAM) metals and U.S. EPA priority pollutant organics (Methods 8240 and 8270).

In March 1985, Dames and Moore collected 35 shallow soil samples from the WDI site, the St. Paul High School athletic field, and a vacant lot approximately 1,050 to 1,300 feet to the northwest of the WDI site (Figure 2-16). The two samples from the vacant lot (X-1 and X-2) were used

Direction of
Groundwater
Flow

- EXPLANATION**
- BORING WHICH ENCOUNTERED SUMP MATERIAL
 - BORING WHICH DID NOT ENCOUNTER SUMP MATERIAL
 - CPT SOUNDING SUGGESTIVE OF VERY SOFT SUMP MATERIAL
 - ▣ CPT SOUNDING SUGGESTIVE OF DESICCATED SUMP MATERIAL
 - CPT SOUNDING SUGGESTIVE OF ABSENCE OF SUMP MATERIAL

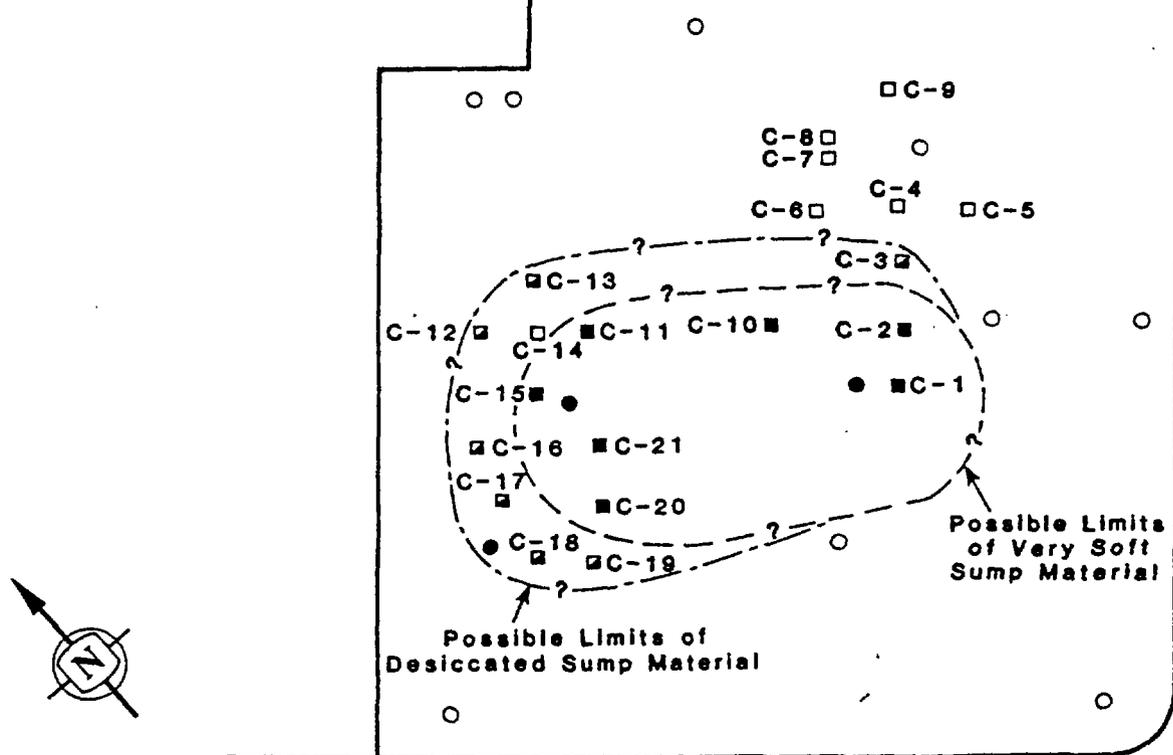


Figure 2-14
CPT SOUNDINGS
CAMPBELL PROPERTY

SOURCE: Adapted from Dames & Moore (1986).

TABLE 2-5

RESULTS OF INORGANIC CONTAMINATION TESTING AT CAMPBELL PROPERTY
 JOHN L. HUNTER & ASSOCIATES

Contaminant	Sample No./Concentration (mg/kg)			
	Campbell #1	Campbell #2	Campbell #3	Campbell #4
Beryllium	0.29	0.69	0.52	0.49
Chromium	459 ^a	30 ^a	26 ^a	89 ^a
Nickel	2,340 ^b	78 ^c	18	48 ^c
Copper	1,300 ^c	43 ^c	28 ^c	350 ^c
Zinc	2,560 ^c	1,200 ^c	574 ^c	4,920 ^c
Arsenic	7 ^c	4	3.1	4.1
Selenium	ND <3	ND <3	ND <3	ND <3
Silver	0.44	0.1	0.25	1
Cadmium	12 ^c	2.9 ^c	1.3 ^c	7.9 ^c
Antimony	6.1	0.78	0.87	1.1
Mercury	0.1	ND <0.08	ND <0.08	ND <0.08
Thallium	0.09	0.13	0.15	0.12
Lead	654 ^c	7.5 ^c	399 ^c	71 ^c
Nitrate	3,990	ND	26	9
pH	7.2	5.6	7.2	7.9

Source: Adapted from Hunter (1988).

^a Exceeds California DHS STLC limits for Chromium (VI) compounds.

^b Exceeds California Dept. of Health Services (DHS) TTLC limits.

^c Exceeds California DHS STLC limits.

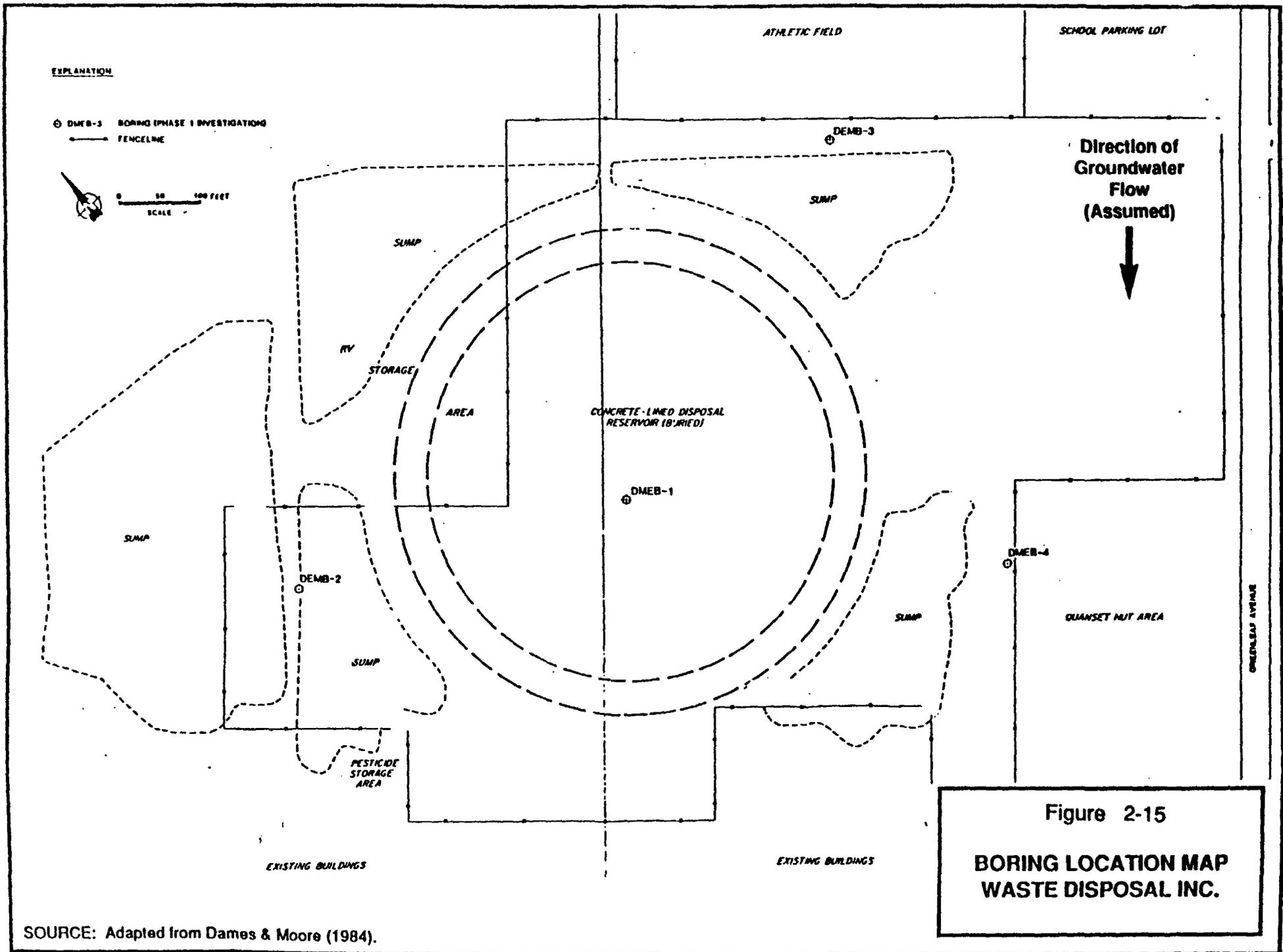


Figure 2-15
**BORING LOCATION MAP
 WASTE DISPOSAL INC.**

SOURCE: Adapted from Dames & Moore (1984).

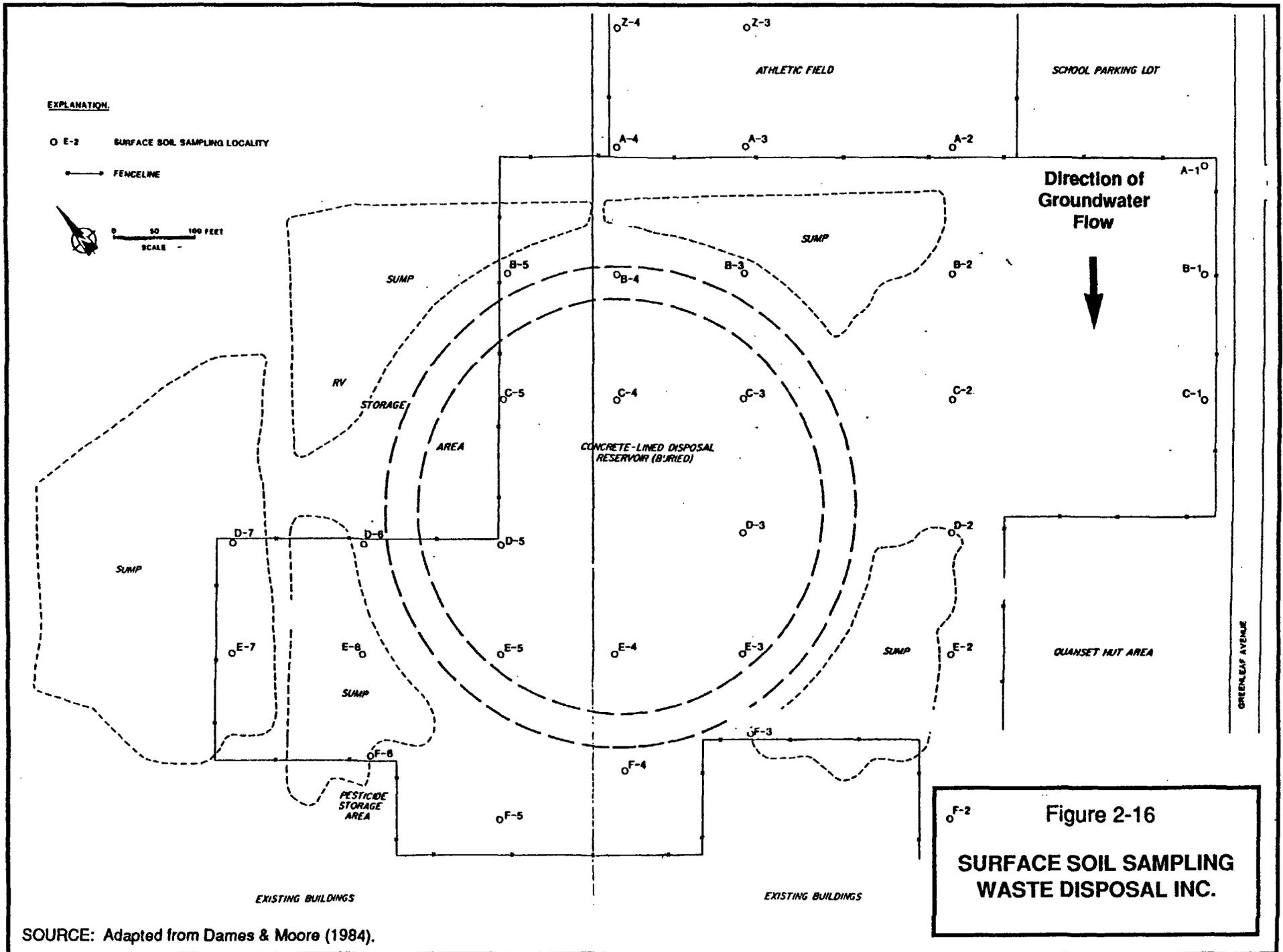


Figure 2-16
**SURFACE SOIL SAMPLING
 WASTE DISPOSAL INC.**

SOURCE: Adapted from Dames & Moore (1984).

to determine the background concentration of metals. These samples were collected with a stainless steel scoop from a depth of 1 foot. The samples were field tested for pH and screened for organic vapors using an HNu. Each of the samples was analyzed by a laboratory for CAM metals. Two of the samples (F-6 and Z-4) were also analyzed for EPA priority pollutants using EPA Methods 8240 and 8270.

At about the same time, one upgradient (MW-1) and two downgradient (MW-2 and MW-3) monitoring wells were installed (Figure 2-17). The initial attempt to install MW-2 was abandoned when liquid waste was encountered at a depth of 5 feet. Black oily (solid) waste was also encountered during the drilling of MW-1. A sample of the waste from both these areas was collected and analyzed for EPA priority pollutant organics (Methods 624 and 625). Water samples were also collected from the three wells, once completed, and analyzed for EPA priority pollutant organics and CAM metals. Because monitoring well MW-3 was located near a pesticide storage area, the water sample from this well was analyzed by EPA Method 608 for organochloride pesticides and PCBs.

The results of Dames and Moore's laboratory analysis are shown in Tables 2-6 and 2-7. Although the WET (Waste Extraction Test) was not used on any of the samples collected from the Dames and Moore borings, the TTLC lab analysis showed that DMEB-1 contained levels of barium, cadmium, copper, lead, mercury, nickel, silver, vanadium and zinc which were above the STLC. DMEB-2 contained similar concentrations of all these metals, with the exception of silver and zinc. Results from DMEB-3 indicated only two metals--cadmium and vanadium--in concentrations which exceed the STLC. DMEB-4 results showed concentrations of barium, cadmium, copper, lead, nickel and vanadium which exceed the STLC.

Dames and Moore boring DMEB-1 also contained ethylbenzene, tetrachloroethene, toluene, trichloroethene, total xylenes, naphthalene and phenanthrene. DMEB-2 contained ethylbenzene, total xylenes and naphthalene. However, it should be noted that the dilution of highly contaminated samples resulted in an increase in detection limits for many contaminants. This factor, combined with the compositing over a depth range of as much as 12.5 feet, make it difficult to accurately characterize the areal extent and the concentration of contaminants.

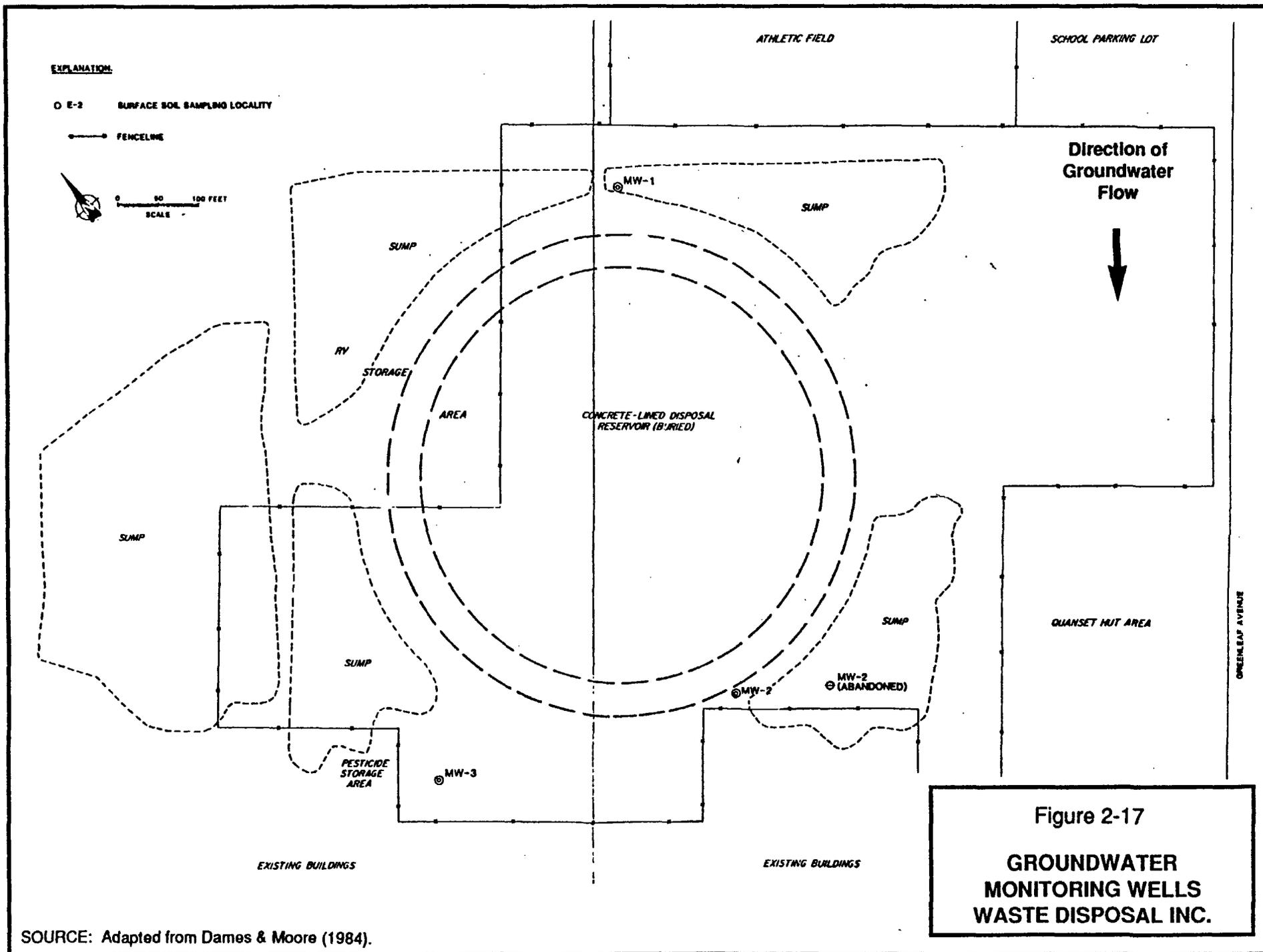


Figure 2-17
**GROUNDWATER
 MONITORING WELLS
 WASTE DISPOSAL INC.**

SOURCE: Adapted from Dames & Moore (1984).

TABLE 2-6
METAL CONTAMINATION IN SURFACE SOIL SAMPLES (STLC RESULTS)
AT WASTE DISPOSAL INC.

Boring Number	Sample Number	Sample Type	Sample Depth (ft)	Ba (mg/l)	Cd (mg/l)	Cu (mg/l)	Pb (mg/l)	Hg (mg/l)	Ni (mg/l)	Ag (mg/l)	Th (mg/l)	Va (mg/l)	Zn (mg/l)
A-1		Soil	0-1	NA	BDL	BSL	9.6	NA	BSL	BDL	BDL	BSL	BSL
C-1		Soil	0-1	BSL	BDL	BSL	5.1	NA	BSL	BDL	BDL	BSL	BSL
D-5		Soil	0-1	BSL	BSL	BSL	6.2	NA	BSL	BDL	BDL	BSL	BSL
E-5		Soil	0-1	BSL	BSL	BSL	6.1	NA	BSL	BDL	BDL	BSL	BSL
E-6		Soil	0-1	BSL	BSL	BSL	14.0	NA	BSL	BDL	BDL	BSL	BSL

Source: Adapted from Dames and Moore (1985).
NA - Not Analyzed for STLC.
BDL - Below Detection Limits.
BSL - Below STLC Limits.

METAL CONTAMINATION IN SOIL BORINGS (TTLC)
AT WASTE DISPOSAL INC.

Boring Number	Sample Number	Sample Type	Sample Depth (ft)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Hg (ppm)	Ni (ppm)	Ag (ppm)	Th (ppm)	Va (ppm)	Zn (ppm)
DMEB-1	3	Soil	10	BSL	2.5	44	130	0.25	BSL	500	BSL	BSL	BSL
DMEB-1	Composite	Soil	12.5 to 20	310	2.6	57	250	BSL	38	BSL	BSL	45	2,300
DMEB-2	Composite	Soil	5 to 17.5	930	1.9	28	280	0.22	27	BSL	30	BSL	BSL
DMEB-2	6	Soil	17.5	120	2.0	28	BSL	BSL	22	BSL	BSL	49	BSL
DMEB-3	9	Soil	22	BSL									
DMEB-3	10	Soil	11	BSL	1.6	BSL	BSL	BSL	BSL	BSL	BSL	32	BSL
DMEB-4	2	Soil	5	320	1.9	34	17		23			32	BSL

Source: Adapted from Dames and Moore (1984).
BSL - Below STLC Limits.

TABLE 2-7

MAJOR VOLATILE AND SEMIVOLATILE
ORGANIC CONTAMINATION IN SOIL
AT WASTE DISPOSAL INC.

Boring Number	Sample Number	Sample Type	Sample Depth (ft)	Ethyl Benzene (ppb)	Tetrachloro-ethene (ppb)	Toluene (ppb)	Trichloro-ethene (ppb)	Total Xylenes (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)
DMEB-1	3	Soil	10	1,800	BDL	3,100	BDL	15,000	29,000	24,000
DMEB-1	Composite	Soil	12.5 to 20	25,000	22,000	57,000	13,000	120,000	66,000	30,000
DMEB-2	Composite	Soil	5 to 17.5	1,900	BDL	BDL	BDL	4,800	13,000	BDL
DMEB-2	6	Soil	17.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL
DMEB-3	Composite 9 and 10	Soil	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL
DMEB-4	2	Soil	5	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Source: Adapted from Dames and Moore (1984).

BDL - Below Detection Limits.

Dames and Moore surface soil samples A-1, C-1, D-5, E-5 and E-6 contained lead concentrations which exceed the STLC. However, these concentrations are generally similar to background concentrations of lead as indicated by the samples analyzed from the vacant lot.

Concentrations of barium, copper and vanadium are present in concentrations below the STLC in samples from the WDI site but were not found at all in background samples. Neither of the two surface samples analyzed using EPA Methods 8240 and 8270 contained detectable concentrations of priority pollutants.

None of the Dames and Moore water samples contained detectable concentrations of either CAM metals or EPA priority pollutants. Monitoring well MW-3 did contain 12 ppb of chlordane which exceeds the California Department of Health Services action level for chlordane in drinking water (0.55 ppb). It should be noted that Dames and Moore completed all three groundwater monitoring wells so that the top of the screen on each was approximately 5 feet below the depth at which groundwater was first encountered. Therefore, it is conceivable that if a free-floating contaminant (i.e., hydrocarbons) exists on top of groundwater beneath the site, it would not have been detected in Dames and Moore monitoring wells.

2.5 CURRENT SITE INVESTIGATIONS

The location and configuration (size and composition of parcels), history, land uses, and results of previous remedial investigations at the WDI site were examined closely prior to the design of Ebasco's Phase I remedial investigations. It was determined that the type, volume and extent of waste disposal at WDI (most of which has not been well documented) required a much more extensive program. The uncertainties which were identified in the validity of WDI background data as well as the major gaps in this data included:

1. Type, quantity and location of wastes.

At present, it is known that WDI was permitted to dispose of several types of wastes. However, what is not known is what wastes were accepted and disposed of at WDI prior to receiving a permit from LA County in 1949-50 and during unauthorized nighttime dumping. What is also not known is whether the wastes which were supposed to be confined to the concrete reservoir, according to permit conditions, were actually dumped only in this area. Record searches have revealed that these wastes may have been dumped in unlined sumps or even on the ground surrounding the reservoir. To complicate matters, previous investigators, such as Dames and Moore, did not sample these unlined sumps or conduct an analysis for all potential contaminants. In addition, highly contaminated samples which were collected by Dames and Moore were diluted to the extent that the exact concentration of site contaminants remains unknown.

2. Horizontal/vertical extent of soil contamination.

No explanation is given in Dames and Moore's 1984 Preliminary Site Characterization for the placement of soil borings and since these borings are relatively few in number, they are inadequate to delimit the horizontal extent of contaminants. Furthermore, it is difficult to know what type and concentration of contamination occurs at different depths since previous investigators composited as many as 4 different samples representing up to 7.5 feet. For one boring, samples were taken at 11 and 22.5 feet but at no other depth. Besides not having other samples analyzed, and thus giving an incomplete picture of where the contamination is located, previous investigators failed to record HNu readings which were supposed to be used as a means for determining which samples required analysis.

3. Impacts of contamination on potable (drinking) water supplies.

It is known that there are 5 aquifers of concern in the coastal plain of Los Angeles County. Since the three groundwater monitoring

wells in Dames and Moore's 1985 Phase II Investigation were not drilled deeper than the first aquifer, it is not known what, if any effect, contamination has had on the other four aquifers. In addition, none of the 7 shallow water supply wells which are within 2 miles of the site have been tested. This is important information. George Farag of the Los Angeles County Flood Control District has indicated that these wells are used for irrigation and public water supply. Mr. Farag has also indicated that these wells are multiperforated through several aquifers and that these aquifers are interconnected.

4. Offsite migration of methane and toxic gases.

Laboratory analysis of samples collected during Dames and Moore's 1986 Cone Penetrometer Survey on the Campbell property detected the presence of up to 11,200 ppm (1.1 percent by volume in air) of methane and 29 ppm (0.0029 percent by volume in air) of total nonmethane hydrocarbons as hexane. Laboratory analysis of samples collected during the Dames and Moore shallow soil vapor survey at the Toxo Spray Dust Inc. property to the west of the WDI site detected 231,000 ppm (23 percent by volume in air) of methane and 597 ppm (0.006 percent by volume in air) of total nonmethane hydrocarbons as hexane. The concentrations of methane which were detected by Dames and Moore are significant enough to indicate that a subsurface gas problem exists. Methane can burn or explode when present in concentrations from 5 to 15 percent by volume in air, and other gases which sometime accompany methane, also react similarly when present in even lower concentrations. Pentane, for example, can burn or explode when present from 2.4 to 9.5 percent by volume in air.

There are five fatal flaws in Dames and Moore's evaluation of subsurface gas beneath properties adjacent to WDI. First, only shallow vapor probes were used. Therefore it is impossible to determine the source or vertical extent of the gas which was detected. Second, the probes which were used were placed as much as

300 feet apart. This makes it difficult to determine the horizontal extent of subsurface gas. Third, as the apparent result of equipment malfunction, the concentration of gas in all probes was not monitored. Since this was one method for determining where samples should be collected, it is difficult to know if more subsurface gas is present than indicated by the Dames and Moore reports. Fourth, the instrumentation which was used for field monitoring purposes was capable of recording the total organic vapor concentration to 5 percent by volume in air, the concentration of all combustible gas from 0.1 to 5 percent by volume in air, and methane only from 5 to 100 percent by volume in air. Thus combustible gas which was not methane and was present in concentrations greater than 5 percent by volume in air could not be detected. Finally, no speciation of gas was done to determine its toxic components. Some gases which are produced during the biodegradation process are carcinogenic and could prove harmful to personnel working on site and nearby populations in much lower concentrations than that recorded for methane.

The following section describes the rationale which was used to select the location, depth and sampling protocol to be used during the WDI soil boring program in order to resolve these uncertainties and more accurately characterize the WDI site.

3.0 REMEDIAL INVESTIGATION METHODS

3.1 BOUNDARY, TOPOGRAPHIC AND LOCATION SURVEYS

Prior to initiating field sampling activities, a boundary survey, topographic survey and a location survey were conducted. The boundary survey identified the borders of the site and assisted in establishing boundary lines between properties. The topographic survey (1) defined and measured site ground relief (depicted by contour lines and spot elevations), (2) established the horizontal scale between the locations of various site features (roads, fences, foundations, utilities, etc.), (3) established a datum point for subsurface investigations, and (4) assisted in identifying site drainage patterns. The location survey established (1) boring and well locations, (2) assisted in locating geologic anomalies, and (3) provided reference points above subsurface features.

Surveys were conducted with a theodolite and electronic distance measuring device. The accuracy for horizontal and vertical control points was third order. The precision of elevation measurements was to one-hundredth (0.01) of a foot on firm surfaces (concrete, well casing, etc.) and to one-tenth (0.1) of a foot on ground shots. The precision for distance measurement was one-tenth (0.1) of a foot. All data was referenced to state planning coordinates or USGS bench marks.

Copies of the full-scale boundary, topographic and location surveys as well as the surveyor's field notes are included in Appendix A. The results of these surveys are discussed in more detail in Section 4.0.

3.2 GEOPHYSICAL STUDIES

Prior to initiating field sampling activities, several geophysical surveys were conducted at the WDI site. These include electromagnetic conductivity (EM), cone penetrometer testing (CPT), and ground-penetrating radar (GPR).

Geophysical surveys using EM and GPR methodologies were conducted to locate the concrete reservoir and to determine the location of underground utilities and other buried objects which could interfere with drilling activities. To locate WDI sumps, CPT techniques were used. With the exceptions noted herein, geophysical investigations were generally conducted in accordance with the guidelines defined in the WDI Field Sampling and Analysis Plan (FSAP), Revision 2 (Ebasco 1988a) for electromagnetic, ground-penetrating radar, and cone penetrometer testing surveys.

3.2.1 Electromagnetic Survey

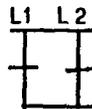
Electromagnetic (EM) terrain conductivity profiling was used on a reconnaissance basis to evaluate soil conductivity. The purpose of these measurements was two-fold. First, soil conductivity was measured to determine the applicability of ground-penetrating radar at the site. Second, soil conductivity was used to identify the location and limits of the WDI reservoir and buried metal objects. A Geonics EM-31 conductivity meter, with a depth of penetration of approximately 15 to 20 feet, was used in conjunction with a continuous chart recorder. The EM survey was based on a 100-foot by 100-foot grid developed during the topographic survey (Figure 3-1). Approximately 12,960 feet (140 stations) were surveyed and data was collected along every fourth traverse. The results of the EM survey are included in Appendix B.

3.2.2 Ground-Penetrating Radar Survey

Ground-penetrating radar (GPR) was used to further investigate the magnetic anomalies found during the EM survey. The size, shape and burial depth of anomalous features including the concrete reservoir were investigated. A GPR system manufactured by Geophysical Survey Systems Inc., was used for this purpose. Depending on site conditions and ground cover, two antenna types (300 MHz and 500 MHz) were used to enhance penetration and reception. Data processing (i.e., filtering or averaging of data) was performed in the field.

LEGEND:

 = SUMP

 = ELECTROMAGNETIC SURVEY LINES

SCALE IN FEET



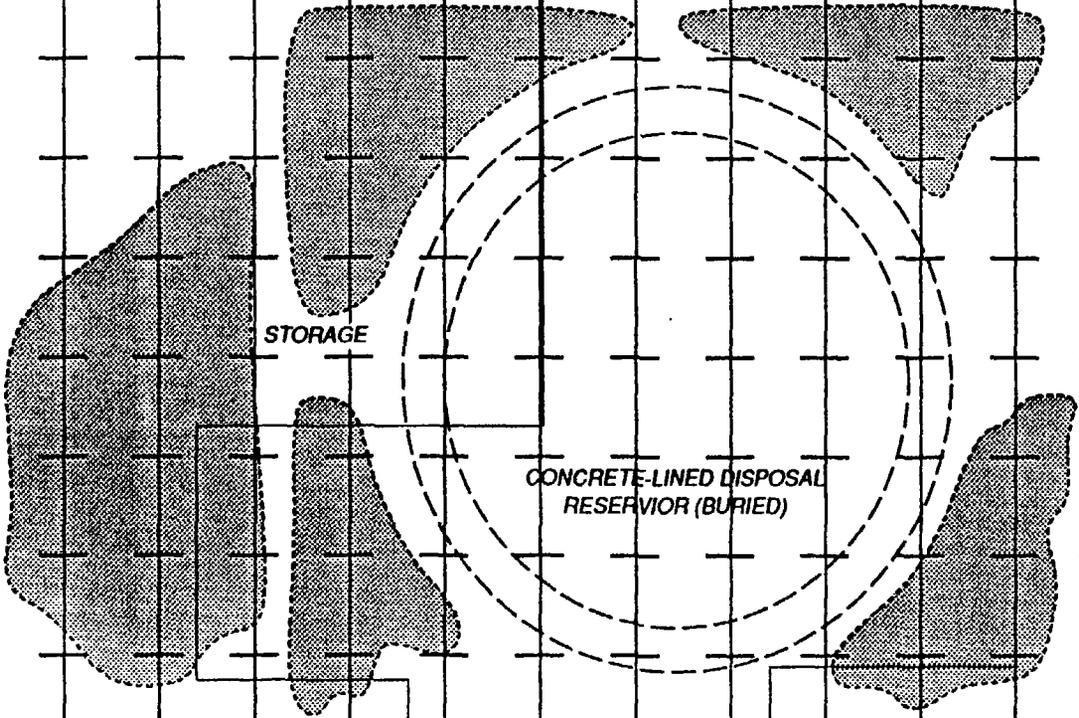
SANTA FE SPRING ROAD

L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16

ATHLETIC FIELD

SCHOOL
PARKING
LOT

BARTON ROAD



QUANSET HUT AREA

GREENLEAF AVENUE

 NORTH

EXISTING BUILDINGS

EXISTING BUILDINGS

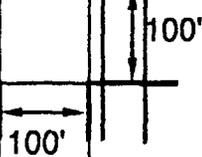


Figure 3-1
**GEOPHYSICAL SURVEY PLAN
WASTE DISPOSAL INC.**

3.2.3 Cone Penetrometer Survey

A cone penetrometer test survey (CPT) was performed to evaluate the location and areal extent of WDI sumps. Results of the CPT survey provided a rapid, continuous profile of soil characteristics with depth at discrete locations. Each sounding consisted of pushing a 36 mm diameter cone into soil and electronically measuring the tip resistance and side friction. Buried drilling mud, drilling cuttings, loose or soft fills, or sump materials are characterized by low tip resistance and side friction. The penetration was set at 2 cm/sec, following the provisions of the American Society of Testing Materials Standards (ASTM D3441-75T).

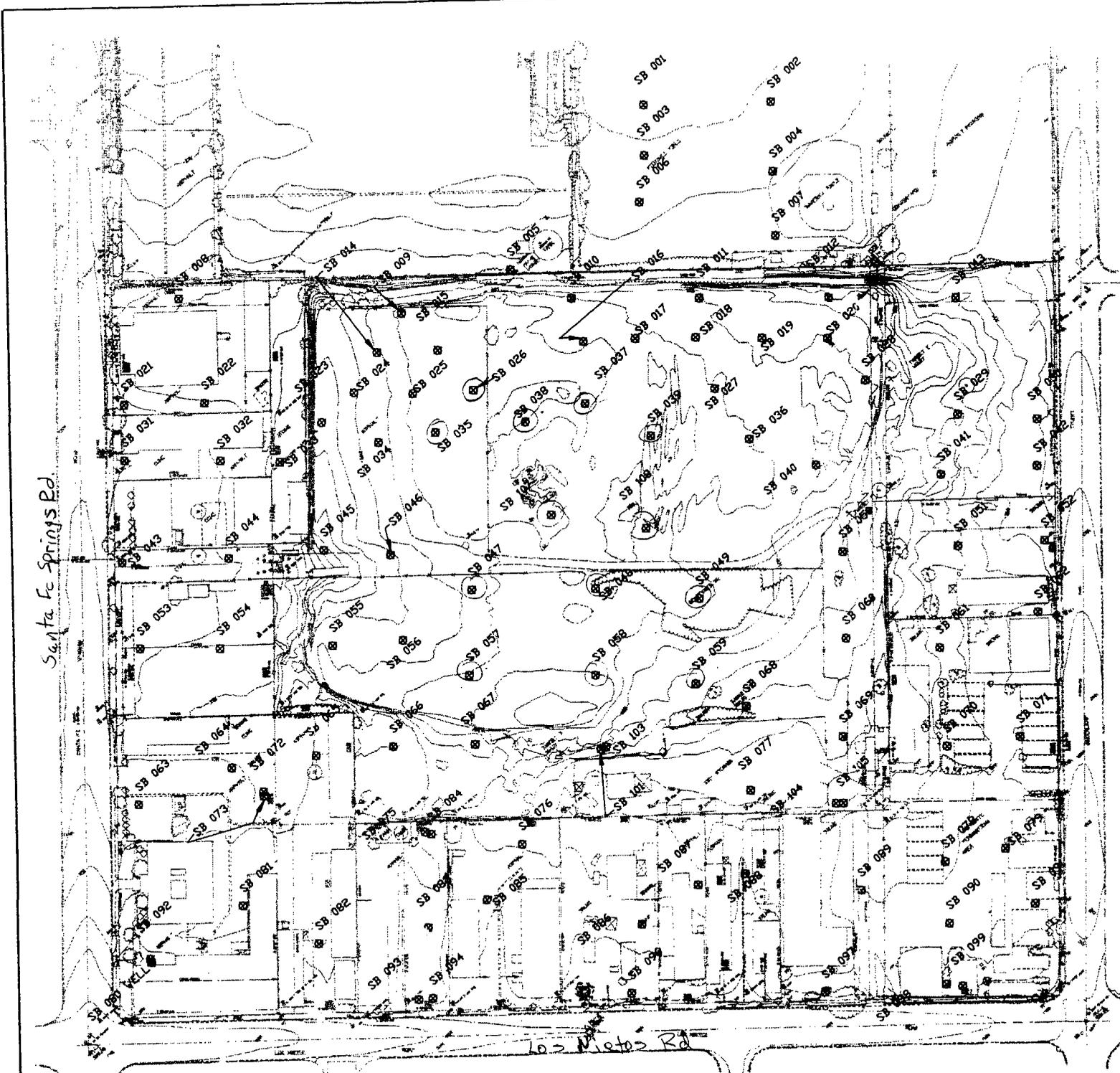
Approximately four CPT soundings per sump (24 total soundings) were conducted. Each sounding was approximately 35 feet in depth. Upon completion of CPT logging, a field analysis and interpretation of the data was conducted. Final interpretation of all data acquired during this work included an interpretation of the depth, relative soil density and strength, and the horizontal extent of WDI sumps (see Appendix B).

3.3 SOIL BORINGS

3.3.1 Boring Locations

Soil borings in areas of known or suspected sumps were located using a 100-foot-square grid spacing. Borings in the areas occupied by small businesses along Los Nietos Road and the area formerly occupied by Ford Alexander Corporation and the ready mix concrete batch plant were located using a grid with 300-foot spacing. Borings in all other areas were located using a grid with 150-foot spacing.

After some adjustment to remove borings which were too closely spaced because of overlapping grids, or borings which were too tightly clustered to be justified by suspected patterns of contamination, 100 boring locations were selected (Figure 3-2, Table 3-1). Of these borings, approximately 37 were drilled in areas where the operation of unlined sumps was permitted. The locations of some borings were also selected outside of these areas to evaluate whether contaminants have migrated beyond the sump boundaries.



Scale
Approximate
1" = 170'

CONTOUR INTERVAL 1 FOOT

LEGEND

▲ HV-1	HORIZONTAL & VERTICAL CONTROL POINT	⊛	POLE LIGHT
○ 185.5	VERTICAL CONTROL POINT	□ M	METER
○ 189.9	SPOT ELEVATION	□	POLE
~	INDEX CONTOUR	□	BUILDING CANOPY
- - -	INTERMEDIATE CONTOUR	—	BLOCK WALL
—	CURB & CONCRETE JUTTER	- - -	FENCE
—	ASPHALT ROAD	- - -	DIRT ROAD
○	TREE	□	CONCRETE PAD
□	CATCH BASIN	—	EDGE OF ASPHALT
○ MH	MANHOLE	—	RAILROAD
○ P	POST	—	PAINTED LINE
○ T	TRAFFIC LIGHT	—	WATER LINE, DRAINAGE
○ S	SIGN	—	RETAINING WALL
○ P	POWER POLE	—	TREELINE
○ F	FIRE HYDRANT	—	GATE
○ B	BOLLARD	- - -	GUTTER
○ F	POLE FLAG	○	HANDICAP
○ D	DOLPHIN	⊛	SOIL BORING
○ V	POST BARRICADE		VALVE

EBASCO SERVICES, INC.
WASTE DISPOSAL, INC. SITE
FIGURE 3-2
SOIL BORING LOCATIONS

TABLE 3-1

SPATIAL DISTRIBUTION/DEPTH OF SOIL BORINGS
WASTE DISPOSAL INC.

Area	Number of Borings	Depth of Borings (ft)
Athletic Field	6	6-35 ^a
Sumps	37	15-35 ^b
Reservoir	13	35
Los Nietos Road Small Businesses	8	35-130 ^c
Toxo Spray Dust Property	5	35-130 ^c
Campbell Property	5	35-130 ^c
Sleek Craft Boats Property	4	35
Site Perimeter	12	35-130 ^b
Other	9	35
TOTAL	100	--

^a Two of the 6 borings on the high school athletic field were drilled to a depth of 35 feet. The remaining 4 borings were drilled to a total depth of 6 feet.

^b If sump borings encountered free liquids they were completed as liquid recovery wells (depth 15-25 ft). If free liquids were not encountered, borings were terminated at 35-50 ft depth (depending upon vertical extent of contamination).

^c Borings to be made into subsurface gas wells were terminated at 35-55 ft (depending upon vertical extent of contamination). Borings to be made into groundwater wells were terminated at 60-130 ft, depending on the aquifers to be sampled.

The following provides justification for each boring located outside WDI sumps:

- o Twelve soil borings were drilled around the outermost perimeter of the WDI site to identify whether or not any waste extends beyond site boundaries and to evaluate if contamination may have migrated offsite.
- o Ten soil borings were drilled in areas where waste disposal had been neither confirmed nor denied by historical records to identify if waste had either been disposed of or if contamination may have migrated into these areas.
- o Thirteen soil borings were drilled within the concrete reservoir. The purpose of these borings was to identify the nature and extent of cover material on the reservoir, and waste material within the reservoir.
- o Eight soil borings were drilled adjacent to the small businesses along Los Nietos Road, 5 were drilled on the Toxo Spray Dust and Campbell properties, and 4 were drilled adjacent to Sleek Craft Boats; all of which were to identify the nature and extent of any soil contamination present in these areas as a result of WDI operations or more recent activities.
- o Six soil borings were drilled on the high school athletic field to determine if any contaminants from the WDI site had migrated onto this area via overland surface runoff. Analytical results from these locations were used to establish background concentrations of contaminants.

Of the 6 borings which were drilled on the high school athletic field, 2 were approximately 6 feet in depth. All other borings on the site averaged about 35 feet total depth below ground surface. However, in some areas, borings were completed just above groundwater.

3.4 SAMPLING PROCEDURES

Soil samples were collected during drilling operations with a split-spoon sampler. The split-spoon sampler was lined with stainless-steel tubes 2.5 inches in diameter. The soil sample contained in the liners was trimmed, covered with aluminum foil and capped with a plastic cover. Soil samples were collected at a minimum of once every 5 feet drilled and at lithologic changes. A minimum of 3 samples per boring were collected for laboratory analysis. One sample per boring was collected for non-CLP laboratory analysis. Unless contaminants were encountered at a shallower depth, this sample was the deepest sample. However, if contaminants were encountered at a shallower depth, samples were collected for non-CLP analysis at each of these locations. Generally, 1 sample from near the surface and/or in the middle of each sump, 1 at mid-depth and/or at the bottom of each sump, and 1 deep, or in the "clean area" below each sump was collected.

Complete field lithologic logs of all borings were kept (Appendix C). These logs included the following information:

- Physical characterization and grain size distribution of sample
- Stratigraphic boundaries
- Presence of any visible contaminants
- Details relevant to split-spoon sampling
- Color changes
- Moisture content
- Groundwater elevation
- Thickness of individual units
- Any other conditions encountered during drilling
(i.e., changes in drilling rate, etc.)

Field screening of soil samples was conducted to determine their designation as high, medium or low concentration. This designation, which determined the detection limits used by analytical laboratories, was based on (1) visual observation, and/or (2) Organic Vapor Analyzer (OVA) and/or (3) photoionization detector (HNU), each of which is described below.

3.4.1 Visual Observation

The procedure for visually observing and evaluating soil samples was implemented as follows:

- o Initiate drilling. Examine cuttings for anomalies (i.e., chunks of concrete, sump material, etc.).
- o Upon reaching sampling depth, remove auger flights, attach split-spoon California sampler, drive sampler 18 inches, and remove sampler from boring.
- o Unscrew split-spoon sampler from sampler assembly driver.
- o Unthread cutter cone at the end of the sampler, split the sampler, and remove the first (uppermost) stainless steel liner.
- o Visually examine the sample. Note odor and color. Record this and other appropriate information on the field boring log.
- o If selected for analysis, trim sample from the ends of the liner, cover with aluminum foil, and seal both ends with plastic cap. Label, place in ice chest and proceed drilling to next depth. (Note: Aluminum foil was later deleted from this procedure for inorganic samples.)

3.4.2 Field Instrumentation

Following daily calibrations, an explosimeter, OVA and/or HNU was used to analyze soil samples in the field as follows:

- o Determine depth of borehole.
- o Connect a length of Tygon tubing which is of comparable length to the depth of the borehole to the explosimeter.
- o Lower the probe and tubing to the bottom of the borehole, squeeze the explosimeter bulb several times to sufficiently draw down-hole gases to the instrument.
- o Read explosimeter meter. Lower probes from the OVA and HNu into the borehole and take readings on each.
- o If concentrations "peg" the instruments, adjust the scale to allow a reading to be taken, and proceed drilling to next depth.

3.4.3 Defining Contaminant Levels

A "high level" sample was defined as any sample with:

- o Visible contamination
- o Over 100 percent of the LEL on the explosimeter
- o Over 1,000 parts per million reading on the OVA
- o Over 20 parts per million reading on the HNu.

A "medium level" sample was defined as any sample with at least two (but not all) of these characteristics.

A "low level" sample was defined as a sample with no more than one of these characteristics.

3.5 ANALYTICAL METHODS

All soil samples were analyzed for the complete Target Compound List (TCL) plus molybdenum (see Table 3-2 and Appendix D). The methods and quantification limits as specified by the CLP SOW for TCL organics and inorganics, and the methods and quantification limits specified by SW-846 for molybdenum

TABLE 3-2

TARGET COMPOUND LIST - ROUTINE ANALYTICAL SERVICES
VOLATILES

Compounds

Chloromethane
Bromomethane
Vinyl chloride
Chloroethane
Methylene chloride

Acetone
Carbon disulfide
1,1-Dichloroethene
1,1-Dichloroethane
Dichloroethene (Total)

Chloroform
1,2-Dichloroethane
2-Butanone
1,1,1-Trichloroethane
Carbon tetrachloride

Vinyl acetate
Bromodichloromethane
1,1,2,2-Tetrachloroethane
1,2-Dichloropropane
trans-1,3-Dichloropropene

Trichloroethene
Dibromochloromethane
1,1,2-Trichloroethane
Benzene
cis-1,3-Dichloropropene

Bromoform
2-Hexanone
4-Methyl-2-pentanone
Tetrachloroethene
Toluene

Chlorobenzene
Ethyl benzene
Styrene
Total xylenes

TABLE 3-2 (Continued)

TARGET COMPOUND LIST - ROUTINE ANALYTICAL SERVICES
SEMIVOLATILES

Compounds	
N-Nitrosodimethylamine	2,4-Dinitrophenol
Phenol	4-Dinitrophenol
bis(2-Chloroethyl) ether	Dibenzofuran
2-Chlorophenol	2,4-Dinitrotoluene
1,3-Dichlorobenzene	2,6-Dinitrotoluene
1,4-Dichlorobenzene	Diethyl phthalate
Benzyl alcohol	4-Chlorophenyl phenyl ether
1,2-Dichlorobenzene	Fluorene
2-Methylphenol	4-Nitroaniline
bis(2-Chloroisopropyl) ether	4,6-Dinitro-2-methylphenol
4-Methylphenol	4-Bromophenyl phenyl ether
N-Nitrosodipropylamine	Hexachlorobenzene
Hexachloroethane	Pentachlorophenol
Nitrobenzene	Phenanthrene
Isophorone	Anthracene
2-Nitrophenol	Di-n-butyl phthalate
2,4-Dimethylphenol	Fluoranthene
Benzoic acid	Pyrene
bis(2-Chloroethoxy) methane	Butyl benzyl phthalate
2,4-Dichlorophenol	3,3'-Dichlorobenzidine
1,2,4-Trichlorobenzene	Benzo(a)anthracene
Naphthalene	bis(2-ethylhexyl)phthalate
4-Chloroaniline	Chrysene
Hexachlorobutadiene	Di-n-octyl phthalate
4-Chloro-3-methylphenol (para-chloro-meta-cresol)	Benzo(b)fluoranthene
2-Methylnaphthalene	Benzo(k)fluoranthene
Hexachlorocyclopentadiene	Benzo(a)pyrene
2,4,6-Trichlorophenol	Indeno(1,2,3-cd)pyrene
2,4,5-Trichlorophenol	Dibenz(a,h)anthracene
2-Chloronaphthalene	Benzo(g,h,i)perylene
2-Nitroaniline	
Dimethyl phthalate	
Acenaphthylene	
3-Nitroaniline	
Acenaphthene	

TABLE 3-2 (Continued)

TARGET COMPOUND LIST - ROUTINE ANALYTICAL SERVICES
PESTICIDES AND PCBS

Compounds

alpha-BHC
beta-BHC
delta-BHC
gamma-BHC (Lindane)
Heptachlor

Aldrin
Heptachlor Epoxide
Endosulfan I
Dieldrin
4,4'-DDE

Endrin
Endosulfan II
4,4'-DDD
Endosulfan Sulfate
4,4'-DDT

Endrin Ketone
Methoxychlor
Chlordane
Toxaphene
AROCLOR-1016

AROCLOR-1221
AROCLOR-1232
AROCLOR-1242
AROCLOR-1248
AROCLOR-1254

AROCLOR-1260

TABLE 3-2 (Continued)

TARGET COMPOUND LIST - ROUTINE ANALYTICAL SERVICES
METALS

Element
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Mercury
Nickel
Potassium
Selenium
Silver
Sodium
Thallium
Vanadium
Zinc

were used. Approximately 35 percent of all soil samples were analyzed utilizing CLP laboratories and 65 percent of all soil samples were analyzed for volatiles, semivolatiles, pesticides/PCBs, and metals utilizing non-CLP laboratories. Both CLP and non-CLP data was validated in accordance with Section 10.0 of the WDI QAPP, Revision 2 (Ebasco 1988b).

Approximately 5 soil samples were also tested by non-CLP laboratories for geotechnical parameters such as grain size (ASTM D422), clay fraction (ASTM D422-63), porosity (ASTM D4612), cation exchange capacity (EPA Method 9080), and permeability (ASTM D2434-68). The results of these analyses (see Appendix D) will be used to supplement available data for transport-fate models, and to provide information for treatability studies.

In addition, 3 samples were analyzed by non-CLP laboratories for asbestos using plane polarized-light microscopy in accordance with EPA Interim Method for Determination of Asbestos in Bulk Samples. The results of these analyses (see Appendix D) will provide information for the WDI health risk assessment and the Health and Safety Officer overseeing sampling and treatability study activities.

4.0 PHYSICAL AND CHEMICAL CHARACTERISTICS OF WDI SOIL

This section presents interpretations which are based on raw analytical data and boring logs made during the drilling of soil borings. The descriptions of conditions between borings, whether physical or chemical, are based on the best professional judgment of Ebasco engineers and scientists and may not fully and accurately represent all subsurface conditions as they currently exist.

4.1 TOPOGRAPHY

The surface elevation of the Waste Disposal Inc. site varies from 150 to 168 feet above mean sea level (see Figure 4-1). The central section of the site, which overlies the reservoir, has the highest elevation. Steep slopes occur at several places on the site. One steep dropoff (30 to 50 percent slope) occurs along the northern border with St. Paul's High School and the Fedco distribution center. Another dropoff (45 percent slope) occurs along the edge of the site between the Santa Fe Springs RV storage lot and Sleek Craft Boats. The drop in elevation to the east and southeast is more gradual (from about 10 to 30 percent slope).

Surface drainage is complicated, due to slope variations and the many depressions in the site surface. Because the central section of the site contains numerous minor ridges and depressions, water has a tendency to pond in this area. General drainage for the southern half of the site is to the south and east. The steep northern and eastern slopes drain the areas nearest them.

4.2 GEOLOGY

The general geology of the WDI site was examined by constructing several cross sections. Each cross section consists of five to twelve soil boring logs placed side by side. In all, eleven cross sections were constructed to show the stratigraphic relationships that can be interpreted (Figures 4-2, 4-3, 4-4, and 4-5; Appendix C). Five of the cross sections trend NW-SE and

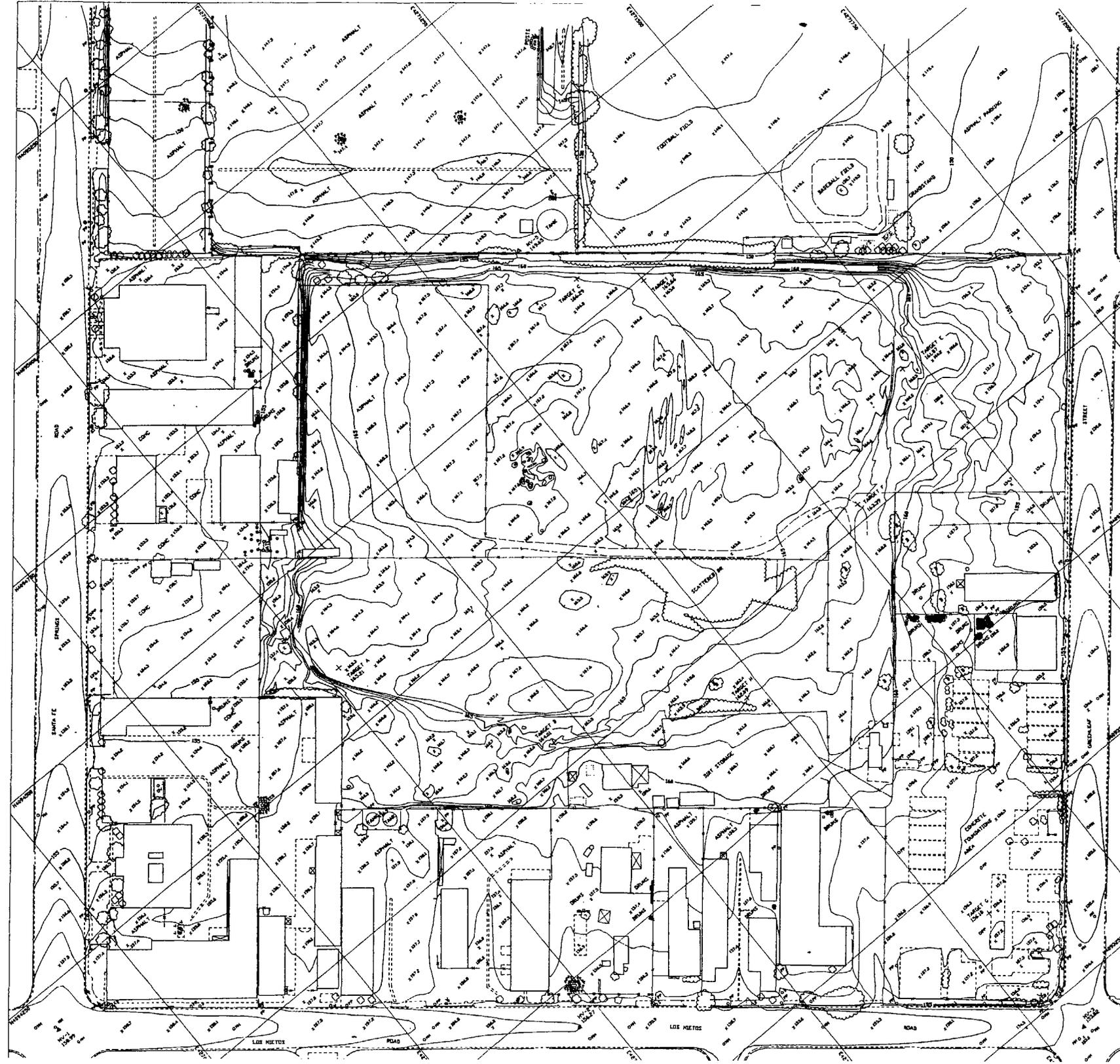
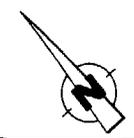
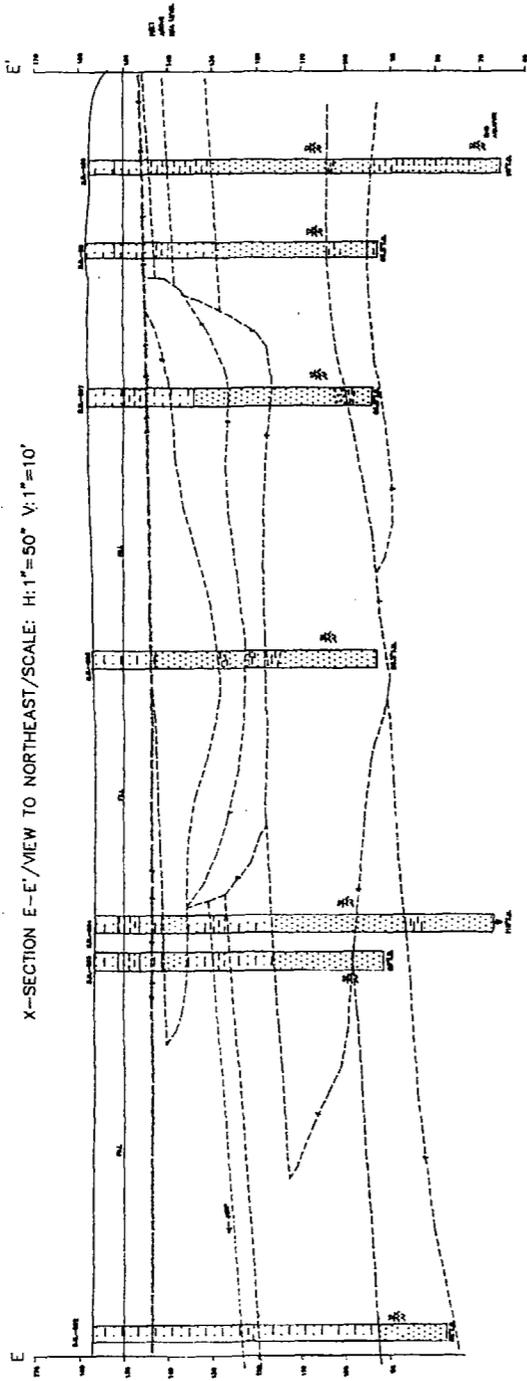


Figure 4-1
TOPOGRAPHIC MAP OF
WASTE DISPOSAL INC.

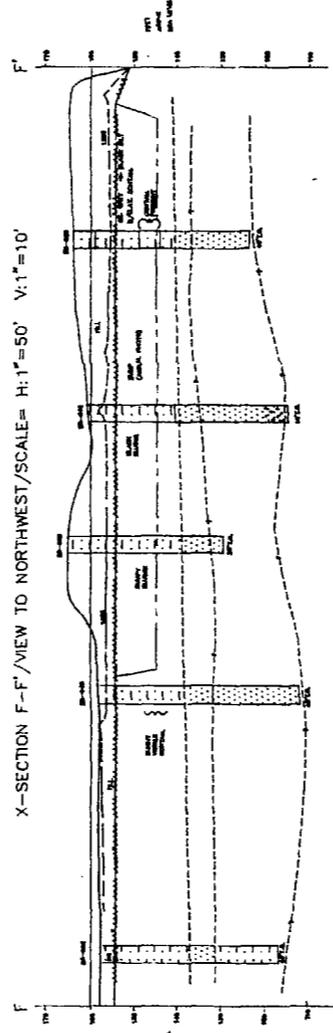


SCALE 1" = 150'

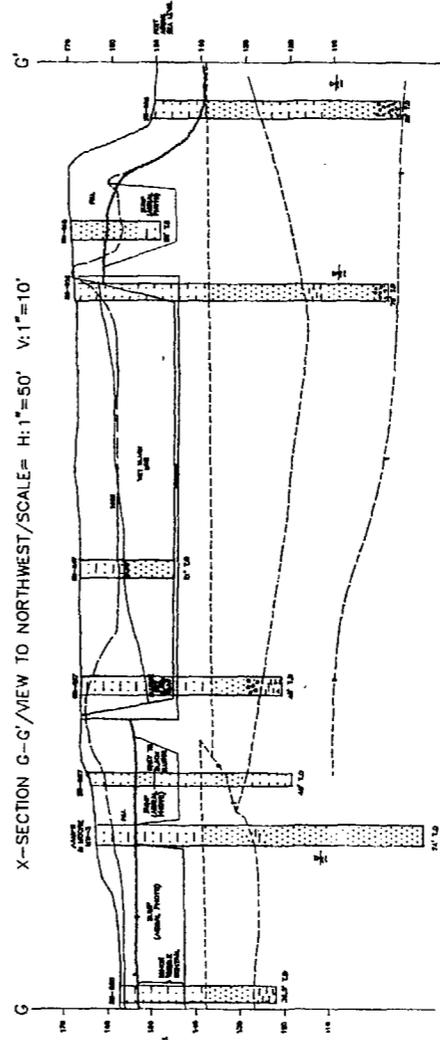
X-SECTION E-E'/VIEW TO NORTHEAST/SCALE: H:1"=50' V:1"=10'



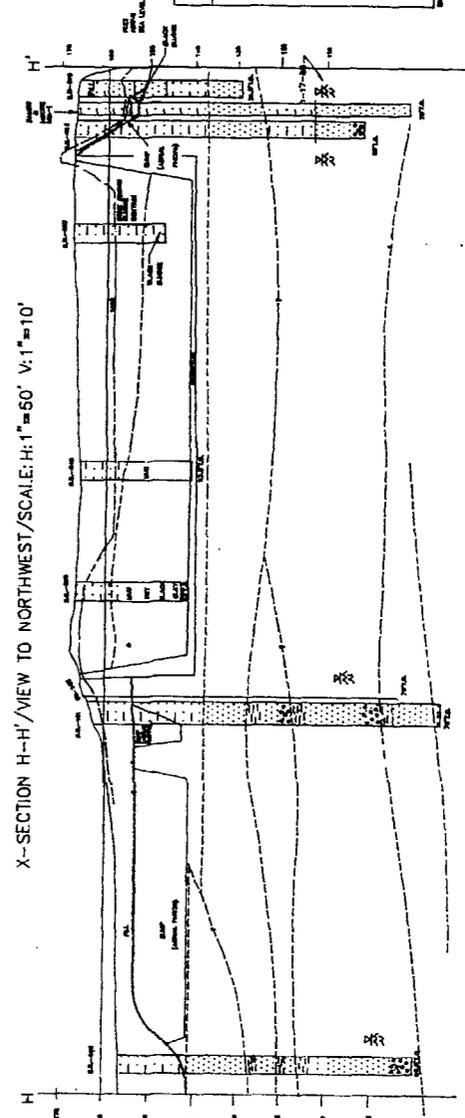
X-SECTION F-F'/VIEW TO NORTHWEST/SCALE= H:1"=50' V:1"=10'



X-SECTION G-G'/VIEW TO NORTHWEST/SCALE= H:1"=50' V:1"=10'



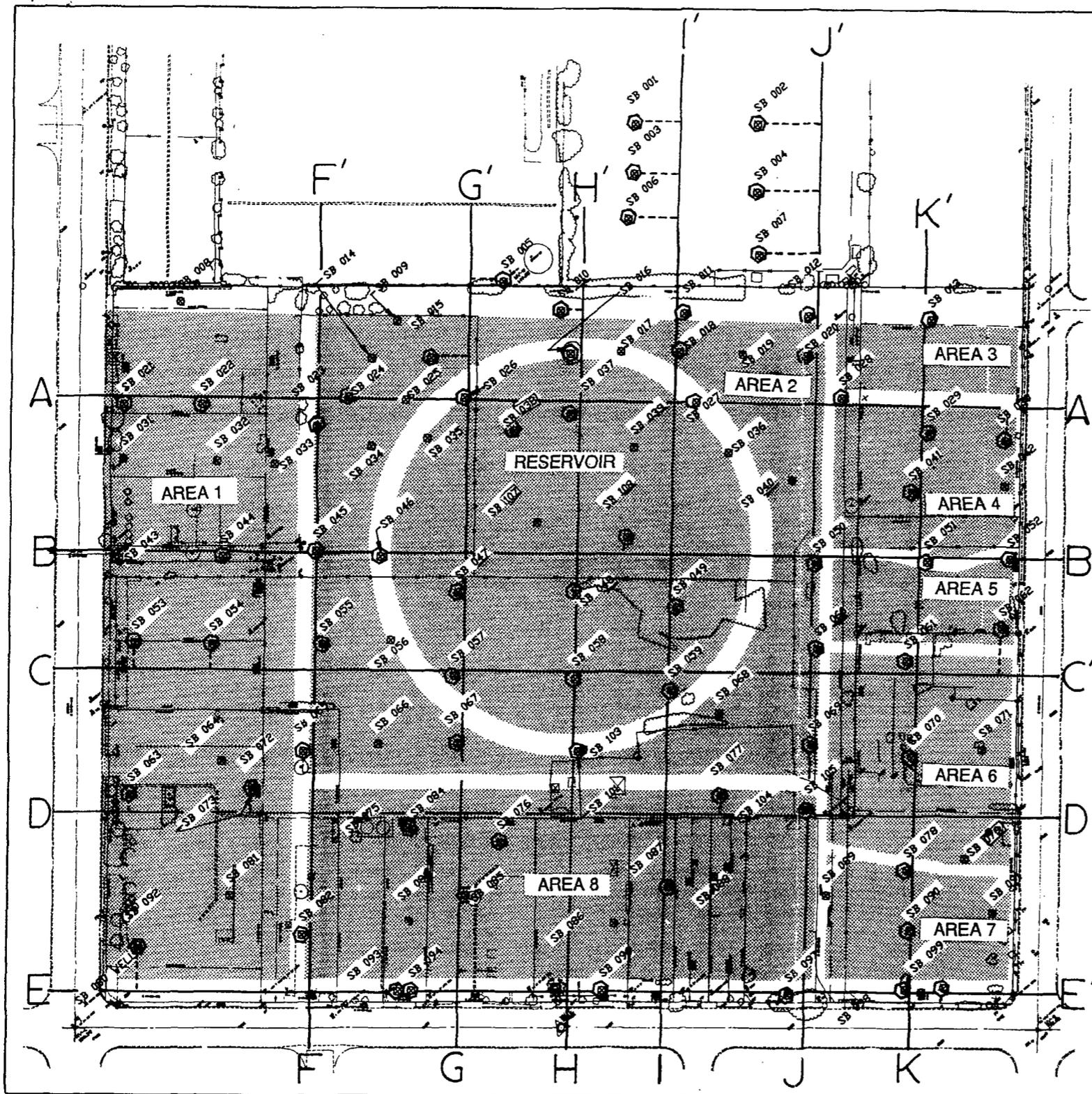
X-SECTION H-H'/VIEW TO NORTHWEST/SCALE: H:1"=50' V:1"=10'



LEGEND:

	CLAY		GROUNDEWATER
	SILT		REL. USE TOPOGRAPHY WHERE AVAILABLE
	SAND (P/STRALES)		LINE OF VERTICAL PL. (SHOWN WHERE APPLICABLE)
			SCALE: H:1"=50' V:1"=10'

FIGURE 4-4 CROSS SECTIONS E → H



Scale
Approximate
1" = 170'

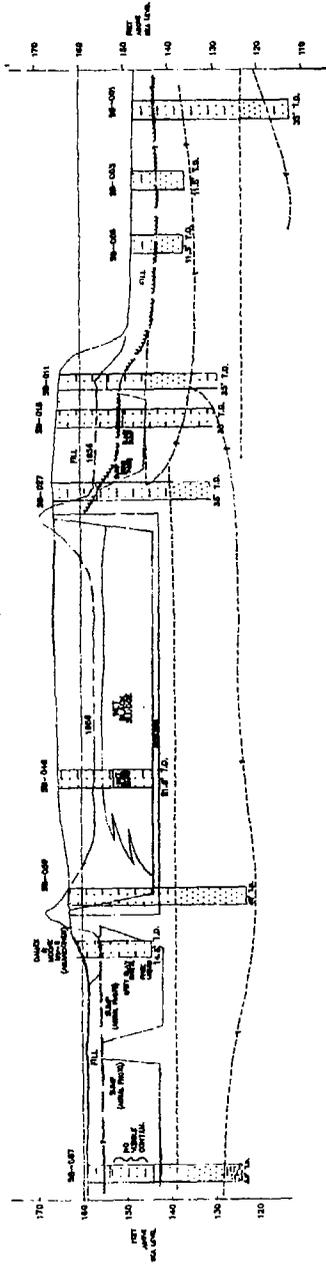
CONTOUR INTERVAL 1 FOOT

LEGEND

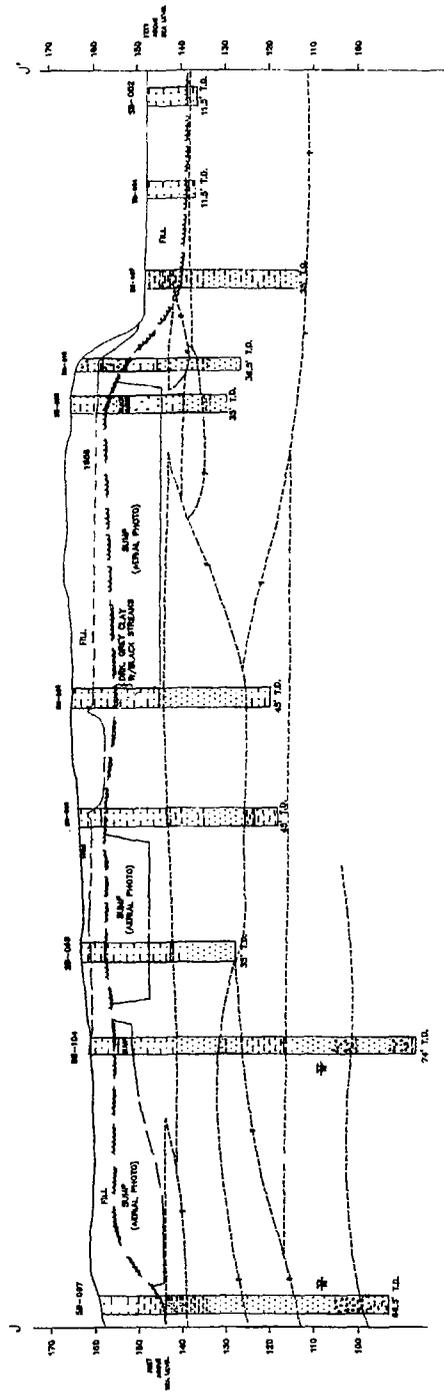
- | | | | |
|---------|-------------------------------------|-----|----------------------|
| ▲ 185.5 | HORIZONTAL & VERTICAL CONTROL POINT | ☼ | POLE LIGHT |
| ○ | VERTICAL CONTROL POINT | □ M | METER |
| • 188.8 | SPOT ELEVATION | □ | POLE |
| ~ | INDEX CONTOUR | □ | BUILDING CANOPY |
| ~ | INTERMEDIATE CONTOUR | □ | BLOCK WALL |
| — | CURB & CONCRETE GUTTER | — | FENCE |
| — | ASPHALT ROAD | — | DIRT ROAD |
| ○ | TREE | — | CONCRETE PAD |
| □ CB | CATCH BASIN | — | EDGE OF ASPHALT |
| ○ MH | MANHOLE | — | RAILROAD |
| ○ P | POST | — | PAINTED LINE |
| ⊕ | TRAFFIC LIGHT | — | WATER LINE, DRAINAGE |
| + S | SIGN | — | RETAINING WALL |
| ○ PP | POWER POLE | — | TREELINE |
| ⊕ | FIRE HYDRANT | — | GATE |
| ⊕ | BOLLARD | — | GUTTER |
| ⊕ | POLE FLAG | — | HANDICAP |
| ⊕ | DOLPHIN | — | SOIL BORING |
| ⊕ | POST BARRICADE | | |
| ○ V | VALVE | | |
- PCB

EBASCO SERVICES, INC.
WASTE DISPOSAL, INC. SITE
FIGURE 4-2
LOCATION OF WASTE
CONTAINMENT AREAS
AND CROSS SECTIONS

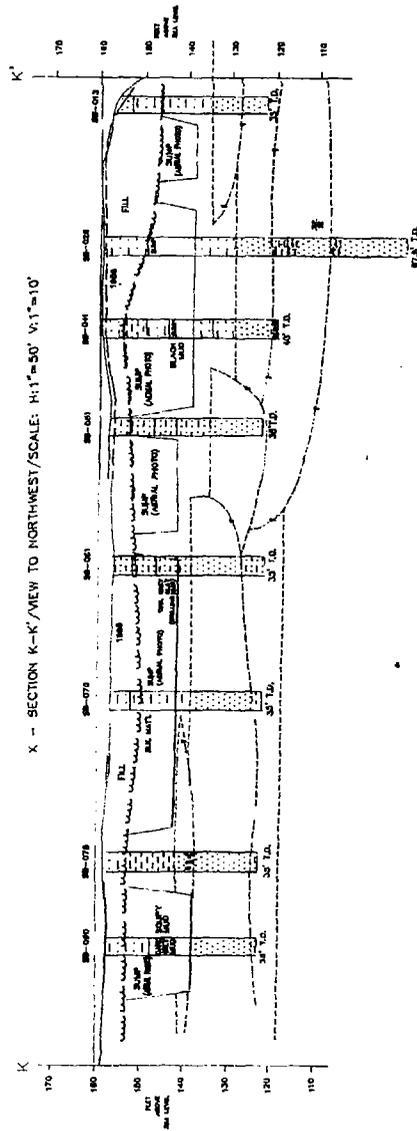
X - SECTION I-I' /VIEW TO NORTHWEST/SCALE: H: 1"=50' V: 1"=10'



X - SECTION J-J' /VIEW TO NORTHWEST/SCALE: H: 1"=50' V: 1"=10'



X - SECTION K-K' /VIEW TO NORTHWEST/SCALE: H: 1"=50' V: 1"=10'



LEGEND:

	CLAY		GROUNDWATER
	SILT		FILL (AERIAL PHOTO)
	SAND (N/PROBLES)		PRE-1926 TOPOGRAPHY WHERE AVAILABLE
	FILL (OBSERVED WHERE UNCERTAIN)		LIST OF AERIAL FILL (OBSERVED WHERE UNCERTAIN)

SCALE: 1"=50' HORIZONTAL
1"=10' VERTICAL

FIGURE 4-5
CROSS SECTION I-K

the remaining six cross sections trend NE-SW forming a grid approximately 200 feet by 200 feet across the site.

The WDI soil boring logs and cross sections indicate that WDI strata consist of fluvial deposits. The soils are coarse grained, occasionally pebbly, channelized sands surrounded in places by finer grained, lower energy, and laterally extensive beds. This suggests a braided river system was present. The variable thickness (3 feet to 20 feet) and variable lateral extent (30 feet to 1500+ feet) of individual channel deposits below the site is a result of the continuous active fluvial channel-cutting events.

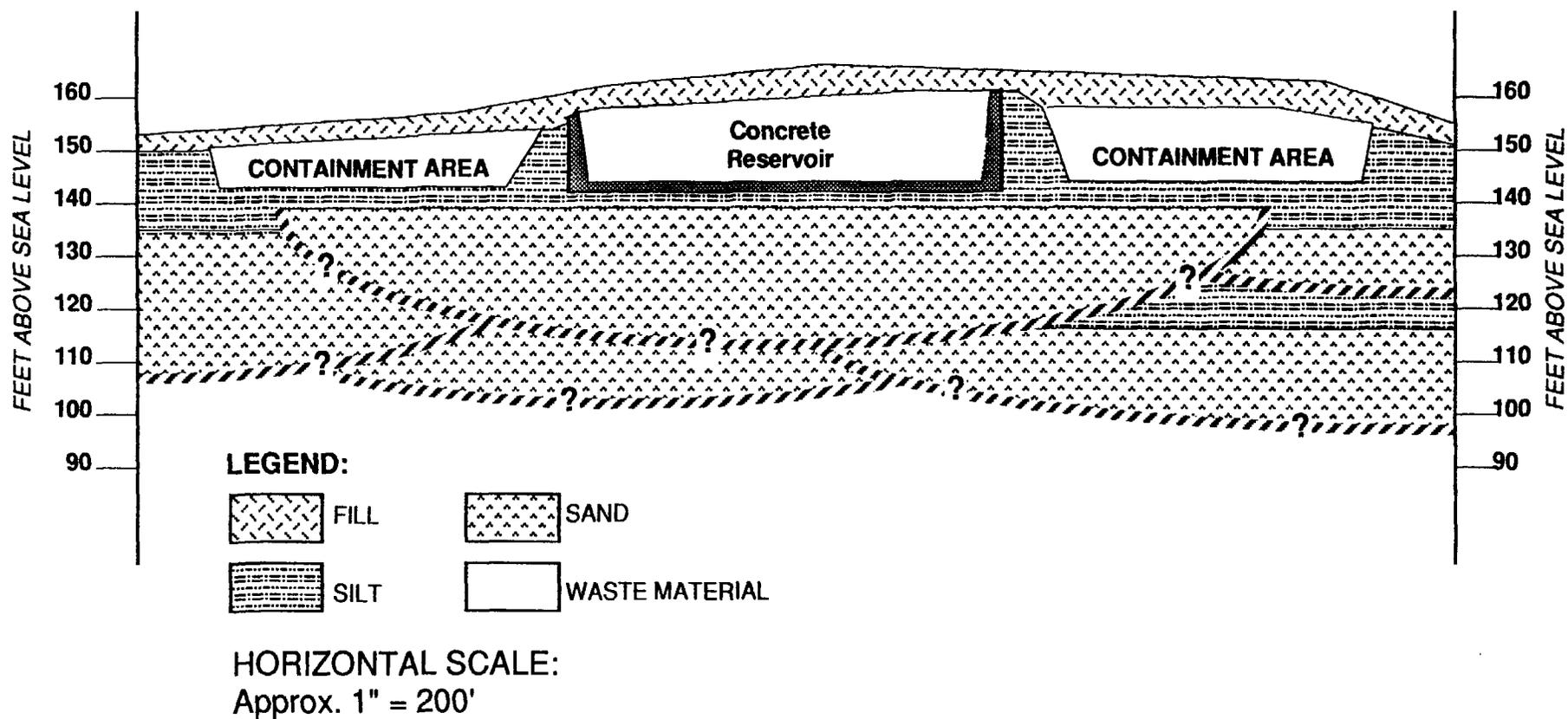
Figure 4-6 is a generalized, composite, northwest-southeast trending cross section summarizing the stratigraphy as interpreted across the WDI site. The cross section shows:

- o Five to 15 feet of artificial fill material covers the entire WDI site.
- o Below the fill material is a silt layer ranging from 10 to 25 feet in thickness is also present across the entire WDI site.
- o Below the silt layer is a sandy, pebbly, channelized network of braided river deposits that is at least 50 feet thick.

The detailed cross sections shown in Figures 4-3 through 4-5 point out local stratigraphic variations. These variations can be summarized as follows:

- o Strata beneath the WDI site apparently dip 2 to 4 degrees to the northwest. This is best illustrated by a five foot thick clay bed overlying a silt layer is present on both sides of the WDI site which is shown on cross section E-E', and which trends NW-SE (Figure 4-4 and Appendix C). The difference in elevation of the clay bed and silt layer on opposite sides of the site as well as the lack of apparent dip on NE-SW trending cross sections suggests that NW-SE trending cross section E-E' is parallel to the direction of dip of WDI strata.

**Figure 4-6
GENERALIZED CROSS SECTION
ACROSS WDI SITE**



- o A clay and silt layer about 10 feet thick and from 30 to 40 feet below ground level is present under approximately 25 percent of the site. This layer is found predominantly at the southeast end of the site and is interbedded with the sandy, pebbly, braided river deposits. This layer may at one time have been deposited over the entire study area.

- o Over most of the site the apparent direction of channeling, and therefore the apparent direction of sediment transport, is in a NE-SW direction. This is suggested by the cross sections. In a general sense, the NW-SE trending cross sections appear to transect, or cut across, individual channel profiles, whereas the NE-SW trending cross sections appear to trend parallel to the axis of individual channels. Cross sections E-E' and F-F' (Figure 4-4 and Appendix C) are good examples of this. Cross section E-E' apparently transects individual channels and cross section F-F' apparently trends parallel to the axis of various channels. An exception to this apparent NE-SW direction of sediment transport can be found in the eastern corner of the site where the network of channels is more unpredictable (see cross section K-K', Figure 4-5 and Appendix C).

4.3 HYDROGEOLOGY

Groundwater at the WDI site is generally located 48 to 65 feet below ground surface and from 101 to 108 feet above mean sea level. This is approximately 34 to 44 feet below the bottom of the WDI reservoir and 22 to 47 feet below the bottom of WDI sumps. The direction of groundwater flow is generally to the south and west (from the reservoir and contaminant areas toward the small businesses along Los Nietos Road). The groundwater gradient is 1:500 or .02 percent. The velocity of groundwater flow has not yet been calculated because no aquifer tests have been performed at the time of this report.

4.4 CHEMICAL CONTAMINATION

A major concern at the WDI site are the drilling muds and oil field, petroleum-based wastes which were deposited in the WDI reservoir (1 million

barrels) and sumps and which appears as black, oily liquid (free product) or tar-like sludge. This section, and the physical and chemical descriptions of WDI subunits which follow it, discuss the constituents of this material and frequently refer to it as "sump material," "sludge," "drilling mud" and "free product." For the purposes of this report, all these terms refer to contamination which possesses the same physical (and in many cases chemical) properties as the oil field wastes which were produced in the Santa Fe Springs area during the time the WDI facility was in operation.

The constituents of WDI waste include metals, volatile organics, semivolatile organics, pesticides, PCBs, and total petroleum hydrocarbons. The concentration of these constituents varies, but many are listed as hazardous according to the Resource Conservation and Recovery Act (RCRA) and Title 22 of the California Code of Regulations (CCR).

Although none of the concentrations of these constituents exceed the California Department of Health Services total threshold limit concentrations (TTL) for hazardous waste in soil, they are also of concern because (1) several exceed the California Department of Health Services soluble threshold limit concentration (STLC) and EP Toxicity limits which define the hazardous concentration of a contaminant in leachate,* and (2) several exceed (are more than three times) background concentrations. Whether or not the concentration of several of the constituents of WDI waste (i.e., volatiles and semi-volatiles) are of concern cannot be determined using existing ARARs. This determination will be made at a later time by the WDI Risk Assessment Leader and will be discussed in the WDI Endangerment Assessment which will be provided to EPA under separate cover.

* Neither the waste extraction test (WET) to determine the STLC nor the EP Toxicity test have been conducted on WDI soil samples at this time. However, the concentration of the waste constituents in WDI soil is compared to these values because if elevated concentrations (generally 10 times the STLC or EP-tox) occur, it is likely that these constituents will occur in hazardous concentrations in leachate.

The following sections identify the concentration of TCL constituents which are present in waste at the WDI site, and provide a general discussion of whether or not these constituents may be of concern based on their location and concentration.

It should be noted that the criteria used to classify high concentration soil samples (see Section 3.4.3) often required that samples of WDI sludge be diluted by analytical laboratories. When this was done, detection limits were raised. As a result, it is possible that there are more types of constituents at low concentrations in WDI waste than is reported.

It is also important to note that a limited amount of surface soil samples were collected in the most highly contaminated areas of the site (directly over the WDI reservoir and sumps). The presence of a 1 to 5 foot thick layer of concrete across many areas prevented this activity.

4.4.1 Metals

Of the 24 metals analyzed, all were found to be present in WDI soil (Table 4-1 and Appendix D). None of the concentrations of metals exceed the TTLC although the concentrations of arsenic, barium, cadmium, copper, lead, nickel, thallium, and vanadium consistently exceed the STLC. In addition, the concentrations of aluminum, calcium, magnesium, sodium and molybdenum are of concern because they exceed 3 times background concentrations (defined in the WDI Field Sampling and Analysis Plan [Ebasco 1988a] as the St. Paul's High School athletic field). Although these metals are of concern no matter where they occur, they are of particular concern in deep soils (greater than or equal to 35 feet) where they are close to groundwater. Several of these and other metals present on the surface of the site may also be of health risk concern because of the chance of inhalation and/or ingestion.

The surface and 35-foot concentration of all metals is shown in Appendix E.

TABLE 4-1

METALS CONTAMINATION IN SOIL
WASTE DISPOSAL INCORPORATED

EP Metals	Background Concentrations ^a (mg/kg)	On-Site Concentrations (mg/kg)	STLC Values (mg/l)	Toxicity Limits (mg/l)
Aluminum, Al	3450.0 - 10300.0	6895.0 - 54000.0	b	c
Antimony, Sb	2.7 - 3.0	2.9 - 25.0	15.0	c
Arsenic, As	1.7 - 2.3	2.0 - 337.0	5.0	5.0
Barium, Ba	37.5 - 71.1	54.0 - 3790.0	100.0	100.0
Beryllium, Be	0.2 - 0.3	0.2 - 3.3	0.8	c
Cadmium, Cd	0.3 - 0.4	0.3 - 50.1	1.0	1.0
Calcium, Ca	1360.0 - 1870.0	1615.0 - 56100.0	b	c
Chromium, Cr	6.0 - 12.1	9.0 - 149.0	560.0	5.0
Cobalt, Co	3.0 - 7.3	5.1 - 33.5	80.0	c
Copper, Cu	5.0 - 13.8	9.4 - 721.0	25.0	c
Iron, Fe	6130.0 - 13700.0	9915.0 - 74900.0	b	c
Lead, Pb	3.3 - 7.0	5.2 - 2790.0	5.0	5.0
Magnesium, Mg	1660.0 - 3220.0	2440.0 - 20500.0	b	c
Manganese, Mn	88.8 - 263.0	175.9 - 2270.0	b	c
Mercury, Hg	0.0 - 0.0	0.1 - 10.9	0.2	0.2
Molybdenum, Mo	0.2 - 0.3	0.2 - 33.4	350.0	c
Nickel, Ni	4.1 - 9.2	6.6 - 105.0	20.0	c
Potassium, K	818.0 - 2260.0	1539.0 - 13200.0	b	c
Selenium, Se	0.2 - 0.3	0.2 - 1.1	1.0	1.0
Silver, Ag	0.9 - 0.9	0.9 - 4.8	5.0	5.0
Sodium, Na	123.0 - 231.0	177.0 - 6650.0	b	c
Thallium, Tl	9.8 - 12.0	10.9 - 99.1	7.0	c
Vanadium, V	10.6 - 27.3	19.0 - 180.0	24.0	c
Zinc, Zn	22.1 - 38.3	30.2 - 775.0	250.0	c

^a These concentrations are from samples collected from the athletic field of St. Paul's High School. They are defined as background as per the rationale in the WDI FSAP, Revision 2 (Ebasco 1988).

^b Soluble Threshold Limit Concentrations (STLC) values have not been established for these metals under Title 22 of the California Code of Regulations (CCR).

^c EP Toxicity limits have not been established for these metals under the Code of Federal Regulations (CFR).

TABLE 4-2

PESTICIDE/PCB CONTAMINATION IN SOIL
WASTE DISPOSAL INCORPORATED

Depth (ft)	Compound	STLC Values (mg/l)	Concentration (ug/kg)
0	Beta - BHC	a	11.0 ^b
0	Heptachlor Epoxide	a	2.5 - 46.0
0	Alpha-Chlordane	0.25	1.3 - 210.0
5	Aroclor - 1242	a	80.0 ^b
15	Aroclor - 1221	a	91.0 ^b
20	Heptachlor	0.87	87.0 ^b
40	Alpha - BHC	a	1.0 ^b
0, 10	Dieldrin	0.8	2.8 - 35.0
0, 10	Aroclor - 1248	5.0	45.0 - 1,700.0
0, 20	Gamma-Chlordane	a	0.1 - 270.0
5, 20	Endrin	0.02	1.3 - 14.0
10, 35	Gamma - BHC (Lindane)	0.4	7.0 - 15.0
0-10	4,4'-DDT	a	6.5 - 160.0
0-15	4,4'-DDD	0.1	9.1 - 90.0
0-20	4,4'-DDE	a	6.3 - 11.0
0-20, 35	Aroclor - 1260	a	100.0 - 1300.0
10-20, 35	Aroclor - 1254	a	86.0 - 570.0

^a STLC Values have not been established for these chemicals under Title 22 of the California Code of Regulations (CCR).

^b This represents a single value above detection limit at a single depth. No other concentration was detected for this or any other depth. Therefore, a range of concentrations is not available.

4.4.2 Pesticides/PCBs

Twelve pesticides and 5 PCBs are present at the WDI site (Table 4-2 and Appendix D). None of these contaminants are consistently present at depths equal to or greater than 35 feet below ground level. Alpha-chlordane, gamma-chlordane, dieldrin, DDD, DDE and DDT are the only pesticides and/or PCBs consistently present on the ground surface (Appendix E).

4.4.3 Volatile Organic Compounds

Twenty-one volatile organic compounds are present at the WDI site (Table 4-3 and Appendix D). Of these contaminants, 1,1,1-trichloroethane, toluene, ethylbenzene, xylene, and benzene are of concern because they are the only volatiles not found in blanks which are consistently present at depths greater than 35 feet below ground surface. Toluene, xylene, ethylbenzene, and 2-butanone may be of health risk concern because they are consistently present on the ground surface (Appendix E).

4.4.4 Semivolatile Organic Compounds

Forty-four semivolatile organic compounds are present at the WDI site (Table 4-4 and Appendix D). Of these contaminants the concentrations of benzo(a)-pyrene, 2-chlorophenol, 2-methylnaphthalene, naphthalene, 4-nitrophenol, phenanthrene, chrysene, 1,4-dichlorobenzene and fluorene are of concern because they are consistently present at a depth of 35 feet below ground surface (Appendix E). Naphthalene, 2-methylnaphthalene, fluoroanthene, benzo(a)anthracene, anthracene, chrysene, benzo(a)pyrene, benzo(b)-fluoroanthene, benzo(k)fluoroanthene, pyrene, pentachlorophenol, and phenanthrene may be of health risk concern because they are consistently present on the ground surface (Appendix E).

4.4.5 Total Petroleum Hydrocarbons

Total petroleum hydrocarbons (TPH) are the major contaminant at the WDI site. No soil samples were collected for laboratory analysis of TPH but soil from many areas of the WDI reservoir and sumps were visibly contaminated. This

TABLE 4-3

VOLATILE ORGANIC COMPOUND (VOC) CONTAMINATION IN SOIL
WASTE DISPOSAL INCORPORATED

Depth (ft)	Compound	STLC Values (mg/l)	Concentration (ug/kg)
5	Chloromethane	a	2.0 ^d
10	Carbon Tetrachloride	a	2.0 ^d
10	Styrene	a	1.0 ^d
20	Chlorobenzene	a	70.0 ^d
10-15	Vinyl Chloride	a	1.0 - 420.0
0-10	2-Hexanone	a	3.0 - 17,000.0
5-15	Carbon Disulfide	a	1.0 - 10.0
0-10, 20	4-Methyl-2-Pentanone	a	1.0 - 5,400.0
0, 40-45	Vinyl Acetate	a	9.0 - 76.0
0, 10-18	1,2-Dichloroethene (total)	a	1.7 - 22.0
5-10, 20, 35	1,1-Dichloroethene	a	2.0 - 1,200.0
10-20, 35	Trichloroethene ^c	204	1.0 - 550.0
5-35	1,1,1-Trichloroethane	a	3.0 - 23,000.0
0-35	Benzene ^c	a	0.2 - 12,000.0
0-20, 30-35, 45	Tetrachloroethene	a	1.0 - 5,200.0
0-35, 50	Ethylbenzene ^c	a	1.0 - 73,000.0
0-35, 60	Xylene ^c	a	2.0 - 410,000.0
0-50	2-Butanone	a	1.0 - 1,200.0
0-60	Methylene Chloride ^b	a	1.0 - 4,200.0
0-60	Acetone ^b	a	1.0 - 7,600.0
0-60	Toluene ^{b,c}	a	0.8 - 44,000.0

^a STLC Values have not been established for these chemicals under Title 22 of the California Code of Regulations (CCR).

^b Common laboratory contaminant.

^c Constituents commonly found in total petroleum hydrocarbon.

^d This represents a single value above detection limit at a single depth. No other concentration was detected at this or any other depth. Therefore, a range of concentrations is not available.

TABLE 4-4

HIGHEST CONCENTRATIONS OF SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
WASTE DISPOSAL INCORPORATED

Location	Sample Number	Depth (ft)	Compound	STLC Values (mg/l)	Concentration (ug/kg)
SB-016-005	WD 161	5	4-Chloroaniline	a	140.0
SB-017-011	YD 868	35	Pentachlorophenol	a	340.0
SB-024-005	YF 151	10	Pyrene	a	4,200.0
SB-024-005	YF 151	10	Benzo(b)fluoranthene	a	2,200.0
SB-024-005	YF 151	10	Indeno(1,2,3-cd)pyrene	a	450.0
SB-024-005	YF 151	10	Benzo(g,h,i)perylene	a	660.0
SB-038-007	WD 017	5	Phenanthrene	a	31,000.0
SB-038-016	WD 043	0	Fluoranthene	a	3,800.0
SB-038-016	WD 043	0	Benzo(a)pyrene	a	1,700.0
SB-038-016	WD 043	0	Acenaphthene	a	4,100.0
SB-038-016	WD 043	0	4-Nitrophenol	a	5,000.0
SB-039-004	WD 019	5	1,2-Dichlorobenzene	a	1,600.0
SB-039-010	WD 070	0	Benzo(k)fluoranthene	a	440.0
SB-039-010	WD 070	0	2,6-Dinitrotoluene	a	3,500.0
SB-041-010	YD 816	20	Anthracene	a	16,000.0
SB-041-010	YD 816	20	Benzo(a)anthracene	a	1,500.0
SB-041-013	YD 817	25	Chrysene	a	8,000.0
SB-041-013	YD 817	25	Fluorene	a	18,000.0
SB-047-008	WD 078	15	Naphthalene	a	48,000.0
SB-047-008	WD 078	15	2-Methylnaphthalene	a	120,000.0
SB-047-008	WD 078	15	Dibenzofuran	a	1,300.0
SB-048-012	WD 083	15	4-Methylphenol	a	1,200.0
SB-048-012	WD 083	15	Isophorone	a	3,200.0
SB-050-004	YD 858	10	2,4-Dinitrotoluene	a	130.0
SB-061-001	YD 188	0	2-Methylphenol	a	79.0

TABLE 4-4
(Continued)

HIGHEST CONCENTRATIONS OF SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL
WASTE DISPOSAL INCORPORATED

Location	Sample Number	Depth (ft)	Compound	STLC Values (mg/l)	Concentration (ug/kg)
SB-069-015	YD 480	20	Phenol	a	4,800.0
SB-069-015	YD 480	20	2-Chlorophenol	a	5,200.0
SB-069-015	YD 480	20	1,4-Dichlorobenzene	a	2,400.0
SB-069-015	YD 480	20	N-Nitroso-di-n-propylamine	a	2,700.0
SB-069-015	YD 480	20	1,2,4-Trichlorobenzene	a	2,600.0
SB-069-015	YD 480	20	4-Chloro-3-Methylphenol	a	5,300.0
SB-069-019	WD 081	35	N-Nitrosodiphenylamine	a	4,000.0
SB-079-001	YD 798	0	Butylbenzylphthalate ^b	a	26,000.0
SB-079-001	YD 798	0	Bis(2-Ethylhexyl)phthalate ^b	a	280,000.0
SB-079-001	YD 798	0	Di-n-octylphthalate ^b	a	140,000.0
SB-079-001	YD 798	0	Dimethylphthalate ^b	a	1,000.0
SB-085-011	YF 164	15	Diethylphthalate ^b	a	48.0
SB-088-003	YF 170	5	4-Nitroaniline	a	82.0
SB-107-006	YE 849	15	Hexachloroethane	a	280.0
TP-003-004	WD 110	0	Di-n-butylphthalate ^b	a	2,200.0
TP-003-005	WD 114	0	Dibenz(a,h)anthracene	a	160.0
TP-006-001	WD 127	0	2-Nitrophenol	a	9,000.0
TP-006-003	WD 121	0	Benzoic Acid	a	4,500.0

Note: The first number in this sequence is the boring location. The second number is the sample depth.

^a STLC values have not been established for these chemicals under Title 22 of the California Code of Regulations (CCR).

^b Common laboratory contaminant.

indicates that as much as 3-4 percent by volume (30,000-40,000 parts per million) may exist at the site. These concentrations are not supported by an analysis of soil samples which was done with an on-site infra-red (IR) spectrometer; however, the samples which were analyzed with this instrument were not collected from the reservoir or sumps (Table 4-5). However, since the Comprehensive Environmental Response and Cleanup Liability Act (CERCLA or Superfund) does not recognize TPH as a hazardous substance, it is of limited concern. While California regulatory agencies (the Department of Health Services and Regional Water Quality Control Boards) generally recognize any TPH over 1,000 parts per million (ppm) as hazardous and many of these agencies require monitoring and/or venting of soils with TPH values which exceed 100 ppm, the state of California does not have a promulgated standard for TPH.

4.5 CHARACTERIZATION OF SUBUNITS

4.5.1 WDI Reservoir

Physical Characteristics

The WDI reservoir is located slightly north of the center of the WDI site, and the diameter of this structure is approximately 585 feet. Thirteen soil borings were drilled within the perimeter of the reservoir. These include SB-026, SB-035, SB-037, SB-038, SB-039, SB-047, SB-048, SB-049, SB-057, SB-058, SB-059, SB-107, and SB-108. These borings and aerial photos indicate that the sides of the reservoir are not vertical but slope inward. Borings contacted the concrete bottom of the reservoir from 18 to 23 feet below ground level (the difference may be accounted for by sunken debris). Two of the soil borings (SB-057 and SB-059) located at the southwest end of the reservoir did not encounter the reservoir's hard concrete bottom, suggesting that at these two locations the bottom may not be intact or as competent as it once was. Figure 2-4 is an aerial photo taken of the WDI site in 1945 showing the shape and size of the reservoir. This photo also shows how soil was placed immediately around, and sloping away from, the edge of the reservoir. Today the ground surface above the reservoir is nearly flat and 5 to 10 feet in elevation above the rest of the WDI site.

TABLE 4-5

TOTAL PETROLEUM HYDROCARBON CONTAMINATION IN SOIL
WASTE DISPOSAL INCORPORATED ^a

Sample ID ^b	Concentration (mg/kg)
SB-033-35	0
SB-056-25	498
SB-053-15	236
SB-055-15	14851
SB-055-35	2736
SB-056-10	292
SB-053-25	248
SB-033-15	482
SB-018-15	6106
SB-019-15	492
SB-019-35	350
SB-033-10	2848
SB-018-20	1184
SB-067	650
SB-019-15	334
SB-033-20	449
SB-020-35	750
SB-018-1.5	345
SB-019-20	369
SB-033-05	7798
SB-055-35	344
SB-053-20	618
SB-037-1.5	543
SB-053-05	317
SB-053-1.5	1887
SB-056-20	275
SB-056-35	299
SB-055-05	150
SB-056-30	315
SB-053-10	275
SB-055-20	8721
SB-056-0	4085
SB-055-10	1146
SB-026-04	1356
SB-026-16	178
SB-026-12	181
SB-026-08	248
SB-026-20	199

^a These concentrations were detected using an infrared spectrometer (a field instrument) with data quality objective (DQO) level 1 (screening). Because the quality of this data cannot be documented through data validation, it will not be used in the RI/FS conclusions for this site.

^b The first number in this sequence is the boring location. The second number is the sample depth.

The reservoir appears to be covered with 5 to 15 feet of artificial fill (both soil and debris). The fill is 5 feet thick at the northern edge of the reservoir and thickens to 15 feet at the southern edge. In all but one soil boring, the fill material lies directly on sumpy, black mud and sludge that was dumped into the reservoir. In SB-038, SB-047, SB-058, and SB-108, free liquid product was found. Soil boring SB-059, located at the southern-most edge of the reservoir, encountered visibly contaminated, black to dark brown, sandy silt as opposed to the more prevalent tar-like "sump material."

Only 3 soil borings (SB-026, SB-057, SB-059) penetrate deeper than the bottom of the reservoir (Figures 4-3 and 4-4). SB-026, located at the northern edge of the reservoir, was drilled below the wall of the reservoir. This boring encountered silty sand grading to coarse sand within the first 20 feet immediately beneath the reservoir. During the drilling of this same soil boring, oily waste was encountered 7 feet below the reservoir.

SB-057 was drilled below the southwest edge of the reservoir. At this location, the first 15 feet immediately below the reservoir consist of a silty clay, of which the upper 10 feet is visibly contaminated. Below the silty clay at this location to the bottom of the boring (45 feet total depth) is 10 feet of coarse sand.

SB-059, located at the southern edge of the reservoir, also penetrated deeper than the bottom of the reservoir as the result of conditions which were similar to those encountered in SB-026. At this location, the first 5 to 7 feet immediately beneath the reservoir consist of silt. Below this silt to the bottom of the boring (45 feet total depth) is 13 to 15 feet of sand. Slight visible contamination was present in this borehole 15 feet below the bottom of the reservoir.

As shown on the cross sections in Figure 4-5, correlations between deep bore holes on all sides of the reservoir suggest the base of the reservoir for the most part sits on 3 to 8 feet of silt which, in turn, is underlain by a widespread sand. The notable exception to this is at the southeast edge of the reservoir, where concrete rests directly on sand (see cross section B-B', Figure 4-3 and Appendix C).

Chemical Characteristics

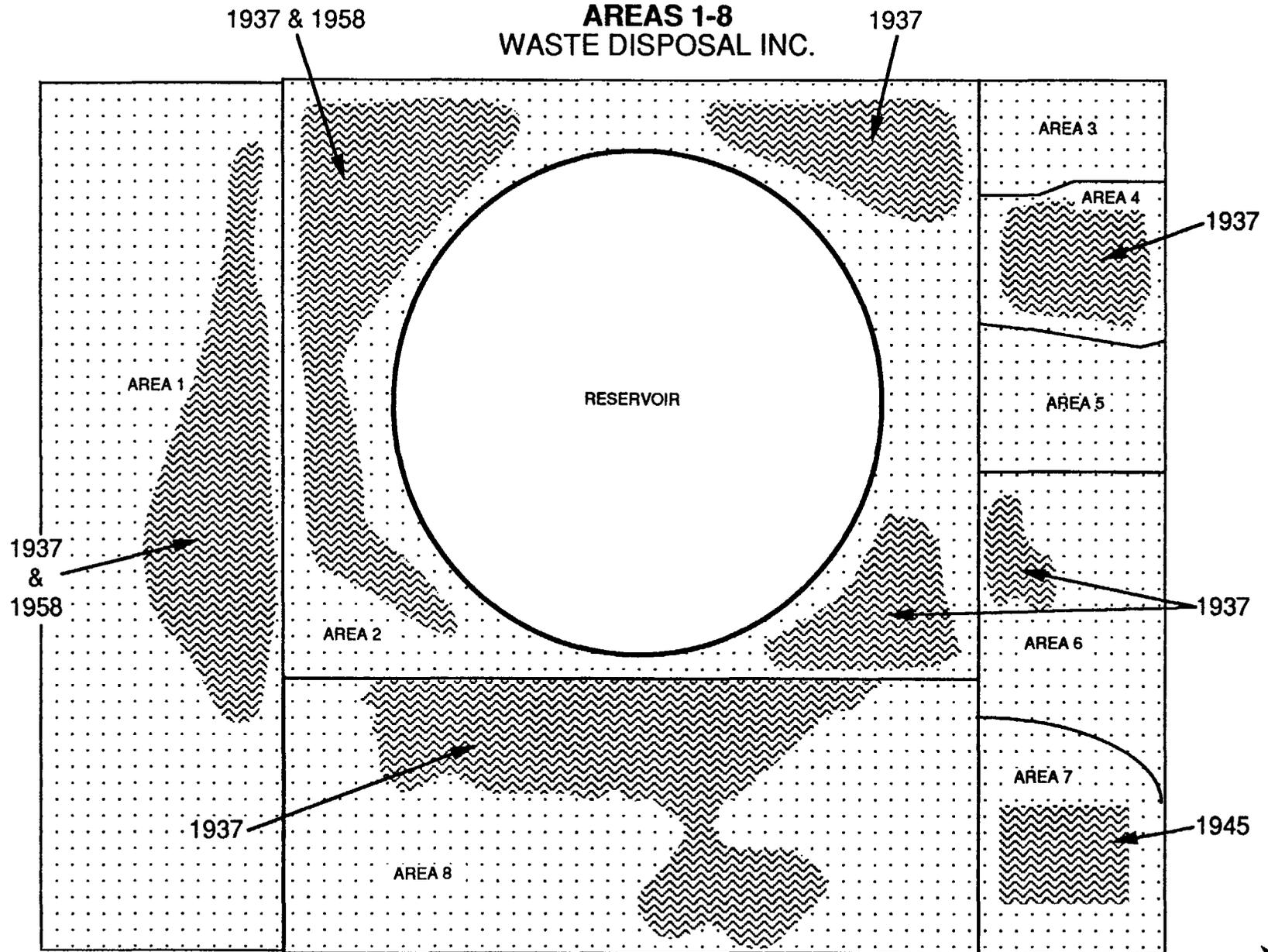
There are elevated levels of metals, semivolatile, and volatile compounds in the reservoir. The 5 to 15 feet of fill material covering the waste material in the reservoir is relatively free of contamination. Below the fill and within the waste itself, lead, barium, arsenic, aluminum, calcium, copper, nickel, potassium and vanadium are found in every boring at all depths (Table 4-6). Of these, the concentrations of lead, barium and arsenic consistently exceed the STLC. Of the semivolatile and volatile compounds identified within the waste, naphthalene, phenanthrene, benzene, ethylbenzene, and toluene are most prevalent. The concentrations of contaminants in samples from below the wall and base of the reservoir in SB-026 and SB-059 are relatively low. Conversely, samples taken immediately below the reservoir from SB-057 show elevated levels of many of the compounds found within the reservoir.

4.5.2 Areas Adjacent to WDI Reservoir

For the purposes of addressing distinct areas on the site outside of the reservoir, the site has been divided into several regions. Each of these is centered on containment areas identified by historical information and investigatory work (see Figure 4-7). These areas were initially bermed containment ponds created to handle wastes as the reservoir reached capacity. Aerial photos were taken over a period of years and indicate a fluctuation in volume of the standing liquid in these areas. Standing liquids have not been present in all the areas at all times and the addition of fill material to certain areas occurred periodically. By 1958, fill material appears to have covered all areas not in direct contact with the reservoir and quonset huts appear to have been erected after this time on fill materials on the south and southeast corner of the site (Figure 2-5).

Sump material was found in many areas where aerial photos showed standing liquid. The size and composition of the sumps within each area vary. The size of Areas ranges from approximately 25,000 square feet (Area 3) to approximately 300,000 square feet (Area 1). The thickness of fill material ranges from 0 to 15 feet thick and the thickness of sump material ranges

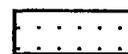
Figure 4-7
**STANDING LIQUID IN
AREAS 1-8
WASTE DISPOSAL INC.**



LEGEND: DATES REFER TO YEAR OF AVAILABLE AERIAL PHOTO



Standing Liquid



Extent of Area



Approx. Scale 1" = 200'

from 1 to 20 feet. Although many of the contaminant areas appear to be underlain by indigenous clays and sands, all are unlined by synthetic or man-made materials.

All of the analytical data from the sampling of WDI areas has not yet been received. This report incorporates approximately 65% of the total amount of data collected. However, a preliminary review of the available data reveals that sump material in these containment areas exhibits all the TCL metals. Many of the contaminant areas contain concentrations of lead, barium and arsenic which exceed the STLC. Many of the areas also contain toluene, xylene, benzoic acid, naphthalene, 2-methylnaphthalene, phenanthrene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, chloromethane and 2-butanone.

The physical and chemical characteristics of each of the eight areas is described in greater detail in the following sections.

4.5.2.1 Area 1

Physical Characteristics

Area 1 is located along the western border of the site, between the Santa Fe Springs Storage facility and Santa Fe Springs Road. The area is rectangular measuring approximately 325 feet x 1050 feet (see Figure 4-7). Borings SB-008, SB-021, SB-031, SB-032, SB-033, SB-043, SB-044, SB-053, SB-054, SB-063, SB-064, SB-072, SB-073, SB-080, SB-081 and SB-092 lie inside the area boundaries.

The eastern edge of Area 1 is located at the base of the steep drop-off between Santa Fe Springs Storage and Sleek Craft Boats. The topography of Area 1 slopes to the west, dropping a maximum of 5 feet in elevation, from approximately 158 feet above mean sea level to 153 feet above mean sea level. Fill material occurs in the borings in the middle of the area (SB-033, SB-044, SB-054, SB-064) and tapers off at the edges, becoming very thin in the border borings (SB-031, SB-032, SB-043, SB-053, SB-080 and SB-081). Two aerial photos show that standing liquids were once present in Area 1 (Figures 2-3 and 2-5).

The stratigraphy of Area 1 is characterized by interbedded clays (see Figure 4-3 and Appendix C). Borings B-021, SB-031, SB-032, SB-043, SB-053, and SB-081 have clay layers present 5 feet below ground surface. The clay layer present in SB-081 can be traced through SB-064, SB-072, and SB-073 at a level of 10 feet below ground surface. This clay layer appears in SB-054 at 20 feet below ground surface and seems to disappear entirely in borings SB-044 and SB-033. Overlying this layer, in the center area of the area, sand and silt can be found between 10 and 20 feet below ground surface, with fill and sump material above this layer to the surface. SB-063 exhibits a clay layer at 20 feet below ground surface, but it may not correlate to the layer appearing in SB-054. Borings SB-080 and SB-092 share a clay layer between 35 and 40 feet below ground surface.

A similar clay layer is found in SB-032. In this boring the clay is present from ground surface to 10 feet below ground surface. In borings SB-033 and SB-040 fill and sump material occur from the surface to 10 feet below ground surface. At the 10-foot level, the clay layer is present and at 15 feet below ground surface, silt and clay occur. A similar clay layer is not found in borings SB-044 and SB-054. In the borings where the clay layers are found close to the surface, no sump material is present, as in SB-081, SB-032 and SB-053.

In boring SB-033, black, silty sump material was found from surface level to 10 feet below ground surface. At 10 feet native clay is present. Boring SB-44 repeats this sequence, but the sump material here has more clay, possibly containing more drilling muds. Boring SB-054 contains black sludge at 5 feet and sandy silt with black streaks at 10 feet below ground surface. The silt layer is still present at 15 feet below ground surface and the native clay layer appears 5 feet below that. The central sump material is present through the first 5 feet of boring SB-064, but it seems to have been mixed with a sandy fill and some rubble. The native clay is present at 10 feet below ground surface, appearing relatively undisturbed. Silt is found at 20 feet below ground surface and grades to sand at the termination of the boring (35 feet total depth).

Soil borings SB-072 and SB-073 yield a brown silty, sandy fill in the upper 5 feet, with sump material present from 5 to 10 feet below ground surface.

The brown, native clay appears in SB-073 at 10 feet, but in SB-072 the clay is dark grey and appears to be infused with drilling mud. A sand layer is directly below the grey clay with native clay underlying this sand. Another clay finger appears at the 30 foot level with a sand layer underlying it. The sump material does not extend south to SB-081. This boring exhibits natural clay layers through the first 20 feet with sand and clay layers alternating below this section.

In the borings in the northern section of Area 1, SB-008, SB-021, SB-031 and SB-043, no signs of visible contamination were noted. Similarly, in the southern section, borings SB-080 and SB-092 show no signs of visible contamination. Another boring near the edge of SB-063 also was free of visible contamination.

Chemical Characteristics

Twelve metals were detected in borings SB-033, SB-044, SB-054, and SB-073 to a depth of 20 feet. The highest levels were found for aluminum, calcium, and magnesium (all present in oil field drilling muds). The concentrations of arsenic, barium, copper, lead, nickel, thallium and vanadium exceed the STLC (see Table 4-7).

Ten metals, 1 semivolatile and 2 volatiles occur in borings SB-008, SB-021, SB-031 and SB-043 (Table 4-7). Metals contamination in SB-047 occurs at 5 feet below ground surface. Metals contamination in SB-021 occurs at 35 feet. In SB-043 aluminum and sodium are elevated above background and barium, nickel and vanadium exceed background and the STLC. In SB-021 barium, copper, lead, thallium and vanadium exceed background levels and the STLC. Semivolatile contamination (fluorene) is present only in SB-031 at depths of 30 to 35 feet. Volatile contamination consists of methylene chloride and toluene, two common laboratory contaminants.

Eleven metals occur in SB-092 at a depth of 35 feet below ground surface (Table 4-7). Concentrations of barium, copper, lead, nickel, thallium and vanadium exceed background and the STLC. 1,4-Dichlorobenzene is the only semivolatile which occurs. It is also found at a depth of 20 feet. Three

volatiles occur in SB-092. With the exception of 1,1-dichloroethene, benzene and ethylbenzene, all are common laboratory contaminants.

Many of the contaminants in Area 1 are concentrated between the surface and 20 feet below the surface. This includes most of the metals and toluene, naphthalene, fluorene, phenanthrene and benzo(a)pyrene. A sand layer which occurs at 20 feet below ground surface in SB-044 contains elevated concentrations of contaminants, particularly arsenic, thallium, phenanthrene and fluorene.

4.5.2.2 Area 2

Physical Characteristics

Area 2 consists of the area surrounding and immediately adjacent to the reservoir (see Figure 4-7). The outer perimeter of this area measures 725 feet by 825 feet. Twenty-two borings are located inside the area boundaries and 7 borings are located between the interior of Area 2 and the outer edge of the reservoir. Borings inside the sump include SB-009, SB-010, SB-011, SB-014, SB-015, SB-017, SB-018, SB-019, SB-020, SB-023, SB-024, SB-025, SB-034, SB-040, SB-045, SB-050, SB-055, SB-060, SB-066, SB-067, SB-068 and SB-069 (Figure 4-2 and Appendix C). The borings between this area and reservoir include SB-016, SB-027, SB-036, SB-046, SB-056, SB-101, and SB-103.

The ground surface of this area varies in elevation from 159 to 165 feet above mean sea level. Most sections of Area 2 are covered with fill material. The thickness of the fill on the eastern side of the contaminant area varies from 0 to 10 feet. In the northeast corner the thickness of fill material varies from 10 to 15 feet. Along the south border, the thickness of fill varies from 5 to 10 feet.

Northwest Corner

Aerial photos show the northwest and northeast corners of Area 2 as distinct units (Figure 2-5). This is consistent with the material encountered by borings in these areas. This material is different from other areas within Area 2 but is homogeneous with respect to its location. Aerial photos

indicate standing liquids, black sludge and dark liquids in the northwest corner (Figure 2-3). The borings in this area confirm that a large pocket of sump material of this type extends to a maximum depth of 20-25 feet. Sludge and, in some cases, free liquids occur between 7 to 10 feet, just under the fill material. In most borings, sludge and free liquids are underlain by a 5-foot clay layer. However, in boring SB-034, this clay layer is absent. The sump material in this area appears to extend to 25 feet below ground surface.

Northeast Corner

Aerial photos also show dark standing liquid in the northeast corner of Area 2 (see Figure 2-3). The borings in this area contain 5 to 15 feet of brown-to-tan sandy silt with large amounts of rubble (fragments of concrete and brick) underlain by sump material from 5 to 20 feet below ground surface. At 15-20 feet, a brown clay layer is found.

Northern Border

Borings SB-010, SB-011 and SB-012 are located along the northern border of Area 2, between the main reservoir area and the edge of the steep dropoff near St. Paul's High School. Sump material in SB-010 occurs from 1 to 16 feet below ground surface. This area may have had some lateral seepage of the sump materials around the northern crown of the reservoir but it does not appear as extensive as on either side. SB-011 and SB-012 show no signs of the sump material and this places the northern extent of the material approximately 20 feet south of these borings.

Southwest Corner

Both of the southern corners of Area 2 contain sludges and liquids. In the southwest corner, fill varies in thickness from 5 to 10 feet. It is underlain by 10 to 20 feet of black sludge. This sludge is underlain by a clay layer at 20 feet in SB-055 and SB-067. In SB-066, no clay layer occurs and the sump material extends to 25 feet below ground surface. Boring SB-065 is on the eastern edge, near SB-066 and SB-077. It contains no sump material and is probably located outside the sump boundary.

Southeast Corner

Four borings (SB-068 and SB-069) are located in the southeast corner of Area 2. Aerial photos show standing liquids in this area and these borings confirm its presence (see Figure 2-3). The fill layer in these borings is 5 to 10 feet thick. The fill is underlain by 10-15 feet of sump material. Boring SB-050 is found along the eastern border of this corner of Area 2, roughly midway along the north-south line. Visible contamination is found at 10 feet below ground surface but no major amounts of sump material appear. Boring SB-060 is south of SB-050 and shows no sign of visible contamination. A dark brown silt is found to twenty feet below ground surface, underlain by sand down to the boring terminus.

Transition Area

Seven borings are located in the transition area between the reservoir and Area 2. These borings are SB-016, SB-027, SB-036, SB-046, SB-056, SB-101 and SB-103. The reservoir and Area 2 were separated by an earthen berm and these borings show the influence of this feature. SB-016 is the only boring which contains dark sump material. This material occurs between 5 and 7 feet below ground surface. SB-046, SB-101 and SB-103 contain minor amounts of contamination which has possibly migrated from a neighboring sump. Borings SB-056, SB-027 and SB-036 show no signs of sump material and appear to be entirely inside the berm (outside the area). The clay layers beneath all portions of Area 2 are underlain by fine to coarse grained sand.

Chemical Characteristics

Elevated concentrations of metals were detected in each section of Area 2. Aluminum, barium, calcium, magnesium and sodium levels were consistently high in most areas. Arsenic, barium, copper, lead, nickel, thallium, vanadium and zinc were detected in values exceeding the STLC. 2-Chlorophenol, Benzo(a)pyrene, fluorene, naphthalene and phenanthrene are detected semi-volatile organics. Trichloroethane, benzene, ethylbenzene, methylene chloride, toluene and xylene are detected volatile organics. Volatile and semivolatile organic concentrations were the highest of any area, and all sections except the southwest corner contained high concentrations of these compounds (see Table 4-8).

In the northwest corner, borings SB-024 and SB-025 had the highest levels of naphthalene, phenanthrene, benzene, trichloroethane, toluene and xylene. Boring SB-023 in this same area also registered high in toluene and xylene. The highest concentrations were detected between the ground surface and the 20-foot depth. In the southeast corner, in boring SB-68 and SB-069, elevated concentrations of dichlorobenzene, naphthalene, ethylbenzene, toluene and xylene were found. In this area, constituents of WDI waste were found at varying concentrations down to 35 feet below ground surface.

The northeast corner of Area 2 contains high levels of fluorene, naphthalene, phenanthrene, ethylbenzene, toluene and xylene. Boring SB-040 accounted for most of the detected compounds and these were concentrated at the 10-foot level.

4.5.2.3 Area 3

Physical Characteristics

Area 3 is located at the eastern corner of the WDI site (Figure 4-7). No soil borings are located in Area 3 at the present time. Soil boring SB-013 is located at the northern border of the sump while SB-028 is located at its southern border. This contaminant area is rectangular in shape with plan dimensions of 250 feet by 100 feet.

From surrounding boreholes it appears that Area 3 is covered with about 10 feet of fill material. Below this is about 10 feet of silt which is underlain by at least 15 feet of sand. From the cross sections (Figures 4-3 through 4-5), there may be about 5 feet of silt between the bottom of this area and loose sand.

Chemical Characteristics

From aerial photos it appears that this area may have experienced little usage (Figures 2-3, 2-4 and 2-5). No standing liquid, only some staining of the soil, can be seen from the aerial photos examined. The presence of the stained soil and the fact that the aerial photos show this area was

surrounded by a berm suggests that this area was also probably used for liquid containment. Because the aerial photos available did not show standing liquid in this area does not suggest liquid was never dumped here. It is reasonable to expect that the same oil field wastes which were dumped in nearby contaminant areas were also dumped here.

Samples from SB-013, located near the northern border of Area 3, contained only four volatiles and only two semivolatiles. No concentrations of these compounds exceed .2 parts per million (Table 4-9). The metal concentrations in this boring are all similar to background levels. Samples from SB-028, located at the southern border of the sump next to Area 4 (Figure 4-5 and Appendix C) were found to contain 7 volatiles, and 13 semivolatiles. No concentrations of these compounds exceed .35 parts per million. The metal concentrations were similar to background levels. The presence of more contaminants in SB-028 relative to SB-013 is apparently because SB-028 is between 2 separate areas and closer to the source of more contamination.

4.5.2.4 Area 4

Physical Characteristics

Area 4 is located near the northeast corner of the site (see Figure 4-7). Borings SB-029 and SB-041 are located inside this area, while boring SB-028 lies on the northern border between Areas 3 and 4. Boring SB-051 lies on the southern border between Areas 4 and 5 and borings SB-030 and SB-042 lie along the eastern edge.

This area is roughly square and approximately 250 feet by 250 feet. Aerial photos reveal dark standing liquids in this area (see Figures 2-3, 2-4 and 2-5). The surface slopes to the east, toward Greenleaf Avenue, with an elevation which drops from 165 feet to 154 feet above mean sea level. A brown, silty, sandy fill is found from the surface to a depth of 5 feet, in the area of SB-041, and to 10 feet at SB-029. Blocks of orange tile and other concrete rubble are present throughout this fill layer. A soft, dark grey to black layer, the sump material, occurs directly below this fill layer and extends to about 20 feet below the surface. This material is

generally moist, relatively soft and sticky. High organic vapor analyzer readings occurred as this area was sampled. At 21 feet below ground surface, in both boring locations, sandy silt occurs in place of the sump material which is found at this depth in nearby borings. At 25 feet below ground surface this layer gives way to a grey silty clay which grades to fine sand and coarse sand below.

Bordering Area 4 to the north is boring SB-028. Fill material occurs to a depth of 5 feet below ground surface. This is underlain 5 to 10 feet below ground surface by a stiff, black silt-and-clay layer. This corresponds to the sump material found at similar depths in Area 4, but is not as moist. Another border area, this one on the southern edge of Area 4, contains boring SB-051. Again, fill occurs to 5 feet below ground surface, but no contaminated layer appears in this boring. Silt, clay and sand grade to sand at 25 feet below ground surface. This border area shows no signs of contaminant migration. The eastern area, along Greenleaf Avenue, contains borings SB-030 and SB-042. Fill occurs from 0 to 7 feet below ground surface. No sump material occurs in either boring. Silt and clay grade downward to sand only. The sand layer starts at 25 feet below ground surface.

Chemical Characteristics

Twelve metals, 1 pesticide, 7 semivolatiles and 8 volatiles were detected in Area 4 (see Table 4-10). The concentration of arsenic, barium, copper, lead, nickel, thallium and vanadium exceed the STLC. Dieldrin is the only pesticide present. Naphthalene, fluorene and phenanthrene are the most prevalent semivolatiles; benzene, toluene, ethylbenzene and xylene are the most common volatiles. The majority of contaminants were found between the surface and 25 feet below ground surface. Semivolatile and volatile hydrocarbon contaminants were mostly found in the black sump layer and also in the transition layer directly beneath it.

Minor concentrations of toluene appear at 5 feet and 10 feet in SB-028, but no other waste constituents were detected. From 10 to 20 feet no visible signs of contamination occur. In SB-051 some metals were detected at the 35-foot depth.

4.5.2.5 Area 5

Physical Characteristics

Area 5 is located along the southeastern edge of the WDI site (Figure 4-7). This area is rectangular in shape with dimensions of 250 feet by 125 feet. Dames and Moore soil boring DEMB-4 is located in the western corner of the sump. Boring SB-051 is at the northern border and SB-062 is in the southern corner of this area. No standing liquids were identified by aerial photos (Figures 2-3 and 2-4).

According to the logs for Dames and Moore's boring, artificial fill material about 5 feet thick covers this area. This is underlain by black (oily), silty clay and bluish-gray silty clay and black (oily) clay to about 12 feet (Dames and Moore 1986). Below this, to what appears to be the base of the contaminant area at 15 feet, dark grey, silty clay occurs. On the basis of this evidence, it appears that this area was mainly used for the disposal of drilling mud. Below the base of this area is a silty clay about 4 feet thick which grades downward into a clayey sand. SB-052 and SB-062, located on the east side of the area, have no visible signs of contamination. Both borings exhibit clay layers to 20 feet below ground surface underlain by sand to the termination of the boring.

Chemical Characteristics

Contaminants found in Area 5 are listed in Tables 4-11 and 4-12. Aluminum, arsenic, barium, cadmium, chromium, thallium, cobalt, copper, lead, magnesium, nickel, vanadium, sodium, and zinc were detected at depths of 10 and 35 feet. One pesticide (alpha-BHC), eight semi-volatiles and two volatiles were also detected.

TABLE 4-12

SUMMARY OF ANALYTICAL RESULTS FOR CAM* INORGANIC COMPOUNDS (METALS)^a
 AND PRIORITY POLLUTANTS - AREA 5
 (Results for metals in mg/kg;
 Results for priority pollutants in µg/kg)

Element	Total Threshold Limit Concentration (mg/kg net wt.)	Soluble Threshold Limit Concentration (mg/l leachate)	DMEB-4 Sample 2
Arsenic	500	5	<5
Antimony	500	15	<5
Barium	10,000	100	320
Beryllium	75	0.75	<0.5
Cadmium	100	1	1.9
Chromium III/IV ^b	2500/500	560/5	27
Cobalt	8000	80	9.2
Copper	2500	25	34
Lead	1000	5	17
Mercury	20	0.2	<0.1
Molybdenum	3500	350	<10
Nickel	2000	20	23
Selenium	100	1	<1
Silver	500	5	<2
Thallium	700	7	<5
Vanadium	2400	24	32
Zinc	500	250	220
<u>Base/Neutral Compounds (EPA Method 8070)</u>			
39B	Fluoranthene		210
72B	Benzo (z) anthracene		380
73B	Benzo (z) pyrene		1100
75B	Benzo (k) fluoranthene		1500
76B	Chrysene		460
79B	Benzo (phi) perylene		200
83B	Indeno (1,2,3-cd) pyrene		300
84B	Pyrene		160

Source: Dames and Moore (1984).

*CAM: California Assessment Manual, California Department of Health Services.

^a Results are given only for those compounds which were detected in one or more samples; detection limits vary as shown in Appendix.

^b Butanone and xylenes are nonpriority pollutants.

4.5.2.6 Area 6

Physical Characteristics

Area 6 is found toward the southeastern corner of the site (see Figure 4-7). Borings SB-061, SB-070 and SB-071 are located within the area boundaries, borings SB-078 and SB-079 lie on the southern border of the contaminant area.

This area is rectangular in shape, with the long axis trending north to south. It covers an area approximately 325 feet x 225 feet, with the southern extension on the Campbell property. The surface is relatively flat with an elevation which varies from 159 feet to 156 feet above mean sea level. A small section of this area contained some standing liquids in the past (see Figure 2-3). Dark brown silt and sand fill material covers the area from the ground surface to approximately five feet in depth. A dark brown to gray clay with some silt is found from 5 feet to 20 feet below ground surface. This section seems relatively free of visible contamination. A native sand layer underlies the clay layer, appearing between 20 feet and 35 feet below ground surface. Another clay layer occurs below the sand layer down to the deepest extent of the soil borings, 35 feet below ground surface. Boring SB-071 has less of the clay layer and more of the sand layer. Possibly the clay section was removed in this area by a stream channel and replaced with the sand layers. Except for the upper section of fill material, SB-071 seems to be natural material and relatively undisturbed.

The border borings, SB-078 and SB-079, share many of the same physical characteristics as the borings within the contaminant area. SB-078 and SB-079, along the southern edge of the area, include layers of fill, clay and sand corresponding to those in SB-061 and SB-070.

Chemical Characteristics

Eleven metals, 7 volatile organic compounds and no semivolatile organic compounds occur in Area 6. The concentrations are not as high as those found in other areas, except for the metals in SB-061 (see Table 4-13).

This indicates that Area 6 may have had limited use. However, an aerial photo taken in 1937 (Figure 2-3) shows some dark standing liquid in the northwest corner of the area, just west of SB-061.

4.5.2.7 Area 7

Physical Characteristics

Area 7 is located in the southernmost corner of the WDI site near the intersection of Los Nietos Road and Greenleaf Street (see Figure 4-7). The Campbell property is presently within this area's boundaries. Aerial photos indicate that this area is the smallest area at the site and is roughly rectangular in shape with dimensions of approximately 175 feet by 100 feet. Presently, the area is graded and contains no significant slope. Soil borings SB-078, SB-089, SB-090, SB-091, SB-098, SB-099, and SB-100 are located in this area. An aerial photo taken in 1945 indicates that this area contained liquid wastes at one time (Figure 2-4).

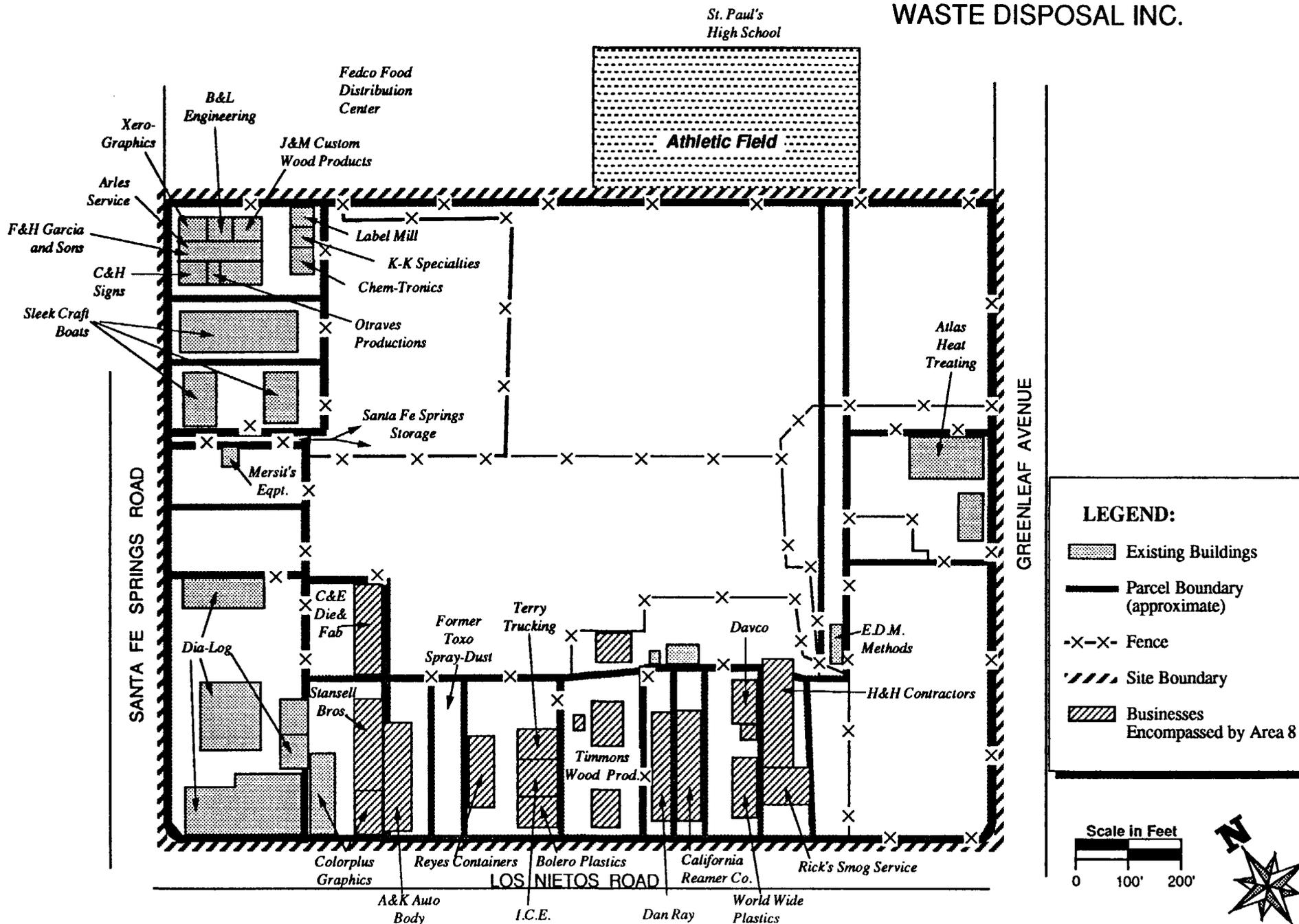
According to the boring log for SB-090, this area is covered by approximately 5 feet of fill material consisting of silty clay and rubble. This is underlain by 5 to 10 feet of wet, visibly contaminated, black-to-dark-grey sump material. From 10 feet to 20 feet below ground level dark grey, wet, drilling mud is present. Below 20 feet the boring log describes a native, fine to medium grained sand with no visible contamination present.

The samples from soil borings SB-078, SB-089, SB-091, SB-098, SB-099 and SB-100 have no visible signs of contamination. These borings indicate that the first 5 feet below ground level is again fill material. From 5 feet down to 10 to 20 feet below ground level is a native silty, clayey layer. Below this silty layer fine to medium grained sand is present.

Chemical Characteristics

Eleven metals, 3 semivolatile and 6 volatile organic compounds are contained in Area 7 (Table 4-14). The majority of metals occur at the 5-foot depth. Barium, aluminum and calcium are elevated above background levels; and lead,

Figure 4-8
SITE MAP
WASTE DISPOSAL INC.



barium, copper, nickel, thallium and vanadium exceed the STLC. The semi-volatile benzo(a)pyrene is also present at this depth with a concentration of .96 ppm. No contamination was detected at the 20-foot depth. Naphthalene and phenanthrene are the only contaminants present at a depth of 35 feet.

The presence of high concentrations of barium in this sump is not surprising, since it appears this sump was mainly used to deposit oil field drilling muds. Several manufacturing activities and chemical spills have also been documented in this area. These activities may have contributed to the soil contamination. The absence of any contamination immediately below this sump at the 20-foot depth level implies that there has not been any vertical migration of contamination out of this sump. The presence of naphthalene and phenanthrene 35 feet below ground level suggests there may be some lateral movement of contaminants from some other source to this location.

4.5.2.8 Area 8

Physical Characteristics

Area 8 occupies the southeast edge of the site along Los Nietos Road (see Figure 4-7). It is rectangular, approximately 825 feet by 300 feet with the longest side parallel to Los Nietos. Borings SB-075, SB-076, SB-077, SB-082, SB-083, SB-084, SB-085, SB-086, SB-087, SB-088, SB-093, SB-094, SB-096, SB-097, SB-104, and SB-105 are within the boundaries. Four of the borings-- SB-093, SB-094, SB-096 and SB-097--lie close to Los Nietos Road, while SB-082 is in the eastern corner near the Dialog property. Many small businesses are within the area boundary (see Figure 4-8) including Stansell Brothers, Colorplus Graphics, A and H Auto Body, Reyes Containers, Terry Trucking, I.C.E., Bolero Plastics, Timmons Wood Products, Dan Ray, California Reamer, Davco, World Wide Plastics, H. H. Contractors and Rick's Smog Service. The property formerly owned and operated by Toxo Spray Dust is also included in this area.

The area is relatively flat, with an average elevation range of approximately two feet. Some excavation and grading has occurred in preparation for the small business development. A brown, silty fill material is found from the

surface to 5 feet below ground surface in the majority of borings. It does not appear in boring SB-093, where a clay layer appears at this level. A review of aerial photos suggests that the area contained an uneven distribution of standing liquid (Figures 2-3).

Fill material is underlain by contaminated sump material (dark grey silty material and black sludge) to a depth of 7 to 15 feet. This material, which is black and has the consistency of mud, is moist or wet. Area material is underlain by sand and silt to a depth of 20 to 50 feet. Sand is underlain by clay.

Three borings, SB-076, SB-087 and SB-093 seem to be exceptions to this stratigraphic trend. Below the top 5 feet of fill material, each of these borings encountered 10 to 15 feet of native clays. These clays are underlain to 35 feet by sand. Visually, these borings appeared to be free of contamination.

The borings near the perimeter, SB-082, SB-093 and SB-094, have no sump materials present and they show no visible signs of contamination. The upper 20 feet is clay and silt with clay and sand dominating at 20 feet below ground surface. Boring SB-096 has a 5-foot layer of fill. This is underlain by sand of varying size. SB-097 also exhibits fill from the surface to 5 feet underlain by layers of sand and clay interbedded down to 65 feet below ground surface.

Chemical Characteristics

Thirteen metals, 4 semivolatiles, and 2 volatiles were detected in samples from Area 8 (Table 4-15). The metals with the highest concentrations were aluminum, calcium and magnesium. The concentrations of arsenic, barium, copper, lead, nickel, thallium and vanadium all exceed the STLC. Boring SB-086 contained some volatile organics, including methylene chloride and toluene. Amounts of benzene, naphthalene, 2-chlorophenol and 1,4-Dichlorobenzene occurred in borings SB-076 and SB-085, two borings which showed no visible signs of sump material. Their close proximity to sump areas could account for this.

4.5.3 Adjacent Areas

4.5.3.1 St. Paul's High School and Fedco

Physical Characteristics

North of the Waste Disposal Inc. site is St. Paul's High School (Figure 2-2). Six borings were completed on the athletic field of the school, SB-001, SB-002, SB-003, SB-004, SB-006, and SB-007 (Figures 3-2, 4-5 and Appendix C). This piece of land was originally farmland. No waste dumping can be inferred from aerial photos although there is some evidence that in 1962 a spill from the WDI reservoir may have resulted in overland runoff from the site coming in contact with the St. Paul's High School athletic field. SB-005 lies outside the school boundary on Fedco property. This was also originally farmland.

Layers of silt, clay and sand beneath St. Paul's and Fedco appear undisturbed (see boring logs in Appendix C).

Chemical Characteristics

Five metals (aluminum, barium, lead, thallium and vanadium), 1 pesticide (alpha-BHC), 1 volatile (methylene chloride), and no semivolatiles were detected at St. Paul's and Fedco (Table 4-16). Although the concentrations of metals exceed the STLC they are consistent with background concentrations. The volatile which is present is a common lab contaminant. Contaminants at St. Paul's occur between 5 and 20 feet while contamination at Fedco occurs at 40 feet.

TABLE 4-6

CHEMICAL CHARACTERISTICS - RESERVOIR
WASTE DISPOSAL INCORPORATED

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	0	SB-037-002	14200.00			.T.	---	---	---
Aluminum	0	SB-058-002	8190.00			.F.	---	---	---
Aluminum	0	SB-059-002	21300.00			.F.	---	---	---
Aluminum	5	SB-038-005	13600.00			.F.	---	---	---
Aluminum	5	SB-039-005	13800.00			.F.	---	---	---
Aluminum	5	SB-058-005	11500.00			.F.	---	---	---
Aluminum	10	SB-038-008	12700.00			.F.	---	---	---
Aluminum	10	SB-047-005H	12400.00			.F.	---	---	---
Aluminum	10	SB-059-009	22700.00			.F.	---	---	---
Aluminum	15	SB-039-011H	10700.00			.F.	---	---	---
Aluminum	15	SB-047-007	18800.00			.F.	---	---	---
Aluminum	15	SB-047-009H	15000.00			.F.	---	---	---
Aluminum	15	SB-048-013	14700.00			.F.	---	---	---
Aluminum	15	SB-049-012	16800.00			.F.	---	---	---
Aluminum	15	SB-049-014H	54000.00			.F.	---	---	---
Aluminum	15	SB-057-005	11300.00			.F.	---	---	---
Aluminum	20	SB-057-007	26600.00			.T.	---	---	---
Aluminum	20	SB-059-016	24500.00			.F.	---	---	---
Aluminum	25	SB-057-010	21100.00			.T.	---	---	---
Aluminum	35	SB-057-013	3890.00			.F.	---	---	---
Aluminum	35	SB-059-027	24000.00			.T.	---	---	---
Aluminum	40	SB-059-030	4560.00			.F.	---	---	---
Aluminum	45	SB-057-016	15000.00			.F.	---	---	---
Antimony	0	SB-058-002	4.40			.F.	15.00	500.00	---
Antimony	0	SB-059-002	5.00			.F.	15.00	500.00	---
Antimony	5	SB-038-005	6.30			.F.	15.00	500.00	---
Antimony	5	SB-039-005	8.90			.F.	15.00	500.00	---
Antimony	5	SB-058-005	25.00			.F.	15.00	500.00	---
Antimony	10	SB-038-008	2.80			.F.	15.00	500.00	---
Antimony	10	SB-047-005H	6.50			.F.	15.00	500.00	---
Antimony	10	SB-059-009	5.90			.F.	15.00	500.00	---
Antimony	15	SB-039-011H	3.30			.F.	15.00	500.00	---
Antimony	15	SB-047-007	9.20			.F.	15.00	500.00	---
Antimony	15	SB-047-009H	4.50			.F.	15.00	500.00	---
Antimony	15	SB-048-013	5.20			.F.	15.00	500.00	---
Antimony	15	SB-049-012	6.40			.F.	15.00	500.00	---
Antimony	15	SB-049-014H	21.00			.F.	15.00	500.00	---
Antimony	15	SB-057-005	12.00			.F.	15.00	500.00	---
Antimony	20	SB-059-016	6.20			.F.	15.00	500.00	---
Antimony	25	SB-057-010	5.70	L	J	.T.	15.00	500.00	---
Antimony	35	SB-057-013	5.70			.F.	15.00	500.00	---
Antimony	40	SB-059-030	4.40			.F.	15.00	500.00	---
Antimony	45	SB-057-016	6.00			.F.	15.00	500.00	---
Arsenic	0	SB-037-002	11.30			.T.	5.00	500.00	5.00
Arsenic	0	SB-058-002	5.87			.F.	5.00	500.00	5.00
Arsenic	0	SB-059-002	85.10			.F.	5.00	500.00	5.00
Arsenic	5	SB-038-005	32.30			.F.	5.00	500.00	5.00

PRG 31 ppm

PRG 0.97 ppm

TABLE 4-6 (Continued)

RESERVOIR

WDI Site

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALID- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Arsenic	5	SB-039-005	85.00			.F.	5.00	500.00	5.00
Arsenic	5	SB-058-005	9.12			.F.	5.00	500.00	5.00
Arsenic	10	SB-038-008	13.00			.F.	5.00	500.00	5.00
Arsenic	10	SB-047-005H	6.95			.F.	5.00	500.00	5.00
Arsenic	10	SB-059-009	5.63			.F.	5.00	500.00	5.00
Arsenic	15	SB-039-011H	23.60			.F.	5.00	500.00	5.00
Arsenic	15	SB-047-007	14.20			.F.	5.00	500.00	5.00
Arsenic	15	SB-047-009H	9.94			.F.	5.00	500.00	5.00
Arsenic	15	SB-048-013	10.90			.F.	5.00	500.00	5.00
Arsenic	15	SB-049-012	9.66			.F.	5.00	500.00	5.00
Arsenic	15	SB-049-014H	20.50			.F.	5.00	500.00	5.00
Arsenic	15	SB-057-005	337.00			.F.	5.00	500.00	5.00
Arsenic	20	SB-057-007	8.30			.T.	5.00	500.00	5.00
Arsenic	20	SB-059-016	9.95			.F.	5.00	500.00	5.00
Arsenic	25	SB-057-010	14.60			.T.	5.00	500.00	5.00
Arsenic	35	SB-057-013	1.41			.F.	5.00	500.00	5.00
Arsenic	35	SB-059-027	25.60			.T.	5.00	500.00	5.00
Arsenic	40	SB-059-030	2.45			.F.	5.00	500.00	5.00
Arsenic	45	SB-057-016	12.60			.F.	5.00	500.00	5.00
Barium	0	SB-037-002	168.00			.T.	100.00	10000.00	100.00
Barium	0	SB-058-002	128.00			.F.	100.00	10000.00	100.00
Barium	0	SB-059-002	288.00			.F.	100.00	10000.00	100.00
Barium	5	SB-038-005	1680.00			.F.	100.00	10000.00	100.00
Barium	5	SB-039-005	558.00			.F.	100.00	10000.00	100.00
Barium	5	SB-058-005	253.00			.F.	100.00	10000.00	100.00
Barium	10	SB-038-008	593.00			.F.	100.00	10000.00	100.00
Barium	10	SB-047-005H	417.00			.F.	100.00	10000.00	100.00
Barium	10	SB-059-009	203.00			.F.	100.00	10000.00	100.00
Barium	15	SB-039-011H	3460.00			.F.	100.00	10000.00	100.00
Barium	15	SB-047-007	2530.00			.F.	100.00	10000.00	100.00
Barium	15	SB-047-009H	1550.00			.F.	100.00	10000.00	100.00
Barium	15	SB-048-013	1210.00			.F.	100.00	10000.00	100.00
Barium	15	SB-049-012	156.00			.F.	100.00	10000.00	100.00
Barium	15	SB-049-014H	633.00			.F.	100.00	10000.00	100.00
Barium	15	SB-057-005	3300.00			.F.	100.00	10000.00	100.00
Barium	20	SB-057-007	202.00			.T.	100.00	10000.00	100.00
Barium	20	SB-059-016	337.00			.F.	100.00	10000.00	100.00
Barium	25	SB-057-010	296.00			.T.	100.00	10000.00	100.00
Barium	35	SB-057-013	48.70			.F.	100.00	10000.00	100.00
Barium	35	SB-059-027	262.00			.T.	100.00	10000.00	100.00
Barium	40	SB-059-030	48.30			.F.	100.00	10000.00	100.00
Barium	45	SB-057-016	130.00			.F.	100.00	10000.00	100.00
Beryllium	0	SB-037-002	0.67	L	J	.T.	0.75	75.00	---
Beryllium	0	SB-058-002	0.15			.F.	0.75	75.00	---
Beryllium	0	SB-059-002	0.31			.F.	0.75	75.00	---
Beryllium	5	SB-038-005	0.21			.F.	0.75	75.00	---
Beryllium	5	SB-039-005	0.18			.F.	0.75	75.00	---
Beryllium	5	SB-058-005	0.22			.F.	0.75	75.00	---

5500 ppm (n.c)

0.41 ppm (c)

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Beryllium	10	SB-038-008	0.20			.F.	0.75	75.00	---
Beryllium	10	SB-047-005H	0.22			.F.	0.75	75.00	---
Beryllium	10	SB-059-009	0.20			.F.	0.75	75.00	---
Beryllium	15	SB-039-011H	0.23			.F.	0.75	75.00	---
Beryllium	15	SB-047-007	0.36			.F.	0.75	75.00	---
Beryllium	15	SB-047-009H	0.32			.F.	0.75	75.00	---
Beryllium	15	SB-048-013	0.32			.F.	0.75	75.00	---
Beryllium	15	SB-049-012	1.05			.F.	0.75	75.00	---
Beryllium	15	SB-049-014H	3.28			.F.	0.75	75.00	---
Beryllium	15	SB-057-005	0.35			.F.	0.75	75.00	---
Beryllium	20	SB-057-007	1.40			.T.	0.75	75.00	---
Beryllium	20	SB-059-016	0.21			.F.	0.75	75.00	---
Beryllium	25	SB-057-010	1.10	L	J	.T.	0.75	75.00	---
Beryllium	35	SB-057-013	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-059-027	1.00	L	J	.T.	0.75	75.00	---
Beryllium	40	SB-059-030	0.15			.F.	0.75	75.00	---
Beryllium	45	SB-057-016	0.34			.F.	0.75	75.00	---
Cadmium	0	SB-058-002	0.69			.F.	1.00	100.00	1.00
Cadmium	0	SB-059-002	0.84			.F.	1.00	100.00	1.00
Cadmium	5	SB-038-005	2.05			.F.	1.00	100.00	1.00
Cadmium	5	SB-039-005	3.21			.F.	1.00	100.00	1.00
Cadmium	5	SB-058-005	18.20			.F.	1.00	100.00	1.00
Cadmium	10	SB-038-008	0.89			.F.	1.00	100.00	1.00
Cadmium	10	SB-047-005H	10.80			.F.	1.00	100.00	1.00
Cadmium	10	SB-059-009	0.39			.F.	1.00	100.00	1.00
Cadmium	15	SB-039-011H	5.21			.F.	1.00	100.00	1.00
Cadmium	15	SB-047-007	1.49			.F.	1.00	100.00	1.00
Cadmium	15	SB-047-009H	0.53			.F.	1.00	100.00	1.00
Cadmium	15	SB-048-013	1.03			.F.	1.00	100.00	1.00
Cadmium	15	SB-049-012	1.40			.F.	1.00	100.00	1.00
Cadmium	15	SB-049-014H	4.76			.F.	1.00	100.00	1.00
Cadmium	15	SB-057-005	2.23			.F.	1.00	100.00	1.00
Cadmium	20	SB-057-007	1.10			.T.	1.00	100.00	1.00
Cadmium	20	SB-059-016	0.65			.F.	1.00	100.00	1.00
Cadmium	25	SB-057-010	1.30			.T.	1.00	100.00	1.00
Cadmium	35	SB-057-013	0.37			.F.	1.00	100.00	1.00
Cadmium	40	SB-059-030	0.41			.F.	1.00	100.00	1.00
Cadmium	45	SB-057-016	0.40			.F.	1.00	100.00	1.00
Calcium	0	SB-037-002	8000.00			.T.	---	---	---
Calcium	0	SB-058-002	3920.00			.F.	---	---	---
Calcium	0	SB-059-002	39600.00			.F.	---	---	---
Calcium	5	SB-038-005	19500.00			.F.	---	---	---
Calcium	5	SB-039-005	17400.00			.F.	---	---	---
Calcium	5	SB-058-005	18300.00			.F.	---	---	---
Calcium	10	SB-038-008	17100.00			.F.	---	---	---
Calcium	10	SB-047-005H	25900.00			.F.	---	---	---
Calcium	10	SB-059-009	3310.00			.F.	---	---	---
Calcium	15	SB-039-011H	46500.00			.F.	---	---	---

39 ppm (no)

No PRC

TABLE 4-6 (Continued)

RESERVOIR									
W01 Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Calcium	15	SB-047-007	25500.00			.F.	---	---	---
Calcium	15	SB-047-009H	34900.00			.F.	---	---	---
Calcium	15	SB-048-013	20300.00			.F.	---	---	---
Calcium	15	SB-049-012	8570.00			.F.	---	---	---
Calcium	15	SB-049-014H	33500.00			.F.	---	---	---
Calcium	15	SB-057-005	56100.00			.F.	---	---	---
Calcium	20	SB-057-007	3040.00			.T.	---	---	---
Calcium	20	SB-059-016	42900.00			.F.	---	---	---
Calcium	25	SB-057-010	11600.00			.T.	---	---	---
Calcium	35	SB-057-013	1840.00			.F.	---	---	---
Calcium	35	SB-059-027	8960.00			.T.	---	---	---
Calcium	40	SB-059-030	2060.00			.F.	---	---	---
Calcium	45	SB-057-016	5670.00			.F.	---	---	---
Chromium	0	SB-037-002	25.80			.T.	560.00	2500.00	5.00
Chromium	0	SB-058-002	13.00			.F.	560.00	2500.00	5.00
Chromium	0	SB-059-002	34.40			.F.	560.00	2500.00	5.00
Chromium	5	SB-038-005	63.70			.F.	560.00	2500.00	5.00
Chromium	5	SB-039-005	32.60			.F.	560.00	2500.00	5.00
Chromium	5	SB-058-005	149.00			.F.	560.00	2500.00	5.00
Chromium	10	SB-038-008	30.10			.F.	560.00	2500.00	5.00
Chromium	10	SB-047-005H	39.40			.F.	560.00	2500.00	5.00
Chromium	10	SB-059-009	33.20			.F.	560.00	2500.00	5.00
Chromium	15	SB-039-011H	44.70			.F.	560.00	2500.00	5.00
Chromium	15	SB-047-007	40.60			.F.	560.00	2500.00	5.00
Chromium	15	SB-047-009H	26.50			.F.	560.00	2500.00	5.00
Chromium	15	SB-048-013	31.10			.F.	560.00	2500.00	5.00
Chromium	15	SB-049-012	27.60			.F.	560.00	2500.00	5.00
Chromium	15	SB-049-014H	94.60			.F.	560.00	2500.00	5.00
Chromium	15	SB-057-005	58.10			.F.	560.00	2500.00	5.00
Chromium	20	SB-057-007	39.70			.T.	560.00	2500.00	5.00
Chromium	20	SB-059-016	37.00			.F.	560.00	2500.00	5.00
Chromium	25	SB-057-010	36.60			.T.	560.00	2500.00	5.00
Chromium	35	SB-057-013	6.12			.F.	560.00	2500.00	5.00
Chromium	35	SB-059-027	41.70			.T.	560.00	2500.00	5.00
Chromium	40	SB-059-030	8.26			.F.	560.00	2500.00	5.00
Chromium	45	SB-057-016	23.80			.F.	560.00	2500.00	5.00
Cobalt	0	SB-037-002	12.90			.T.	80.00	8000.00	---
Cobalt	0	SB-058-002	6.56			.F.	80.00	8000.00	---
Cobalt	0	SB-059-002	11.10			.F.	80.00	8000.00	---
Cobalt	5	SB-038-005	9.40			.F.	80.00	8000.00	---
Cobalt	5	SB-039-005	10.30			.F.	80.00	8000.00	---
Cobalt	5	SB-058-005	28.60			.F.	80.00	8000.00	---
Cobalt	10	SB-038-008	7.93			.F.	80.00	8000.00	---
Cobalt	10	SB-047-005H	11.00			.F.	80.00	8000.00	---
Cobalt	10	SB-059-009	18.00			.F.	80.00	8000.00	---
Cobalt	15	SB-039-011H	11.50			.F.	80.00	8000.00	---
Cobalt	15	SB-047-007	13.20			.F.	80.00	8000.00	---
Cobalt	15	SB-047-009H	10.20			.F.	80.00	8000.00	---

49 ppm (c)

No PRG for soil

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Cobalt	15	SB-048-013	9.79			.F.	80.00	8000.00	---
Cobalt	15	SB-049-012	10.80			.F.	80.00	8000.00	---
Cobalt	15	SB-049-014H	33.50			.F.	80.00	8000.00	---
Cobalt	15	SB-057-005	11.60			.F.	80.00	8000.00	---
Cobalt	20	SB-057-007	19.20			.T.	80.00	8000.00	---
Cobalt	20	SB-059-016	19.70			.F.	80.00	8000.00	---
Cobalt	25	SB-057-010	19.30			.T.	80.00	8000.00	---
Cobalt	35	SB-057-013	3.86			.F.	80.00	8000.00	---
Cobalt	35	SB-059-027	19.90			.T.	80.00	8000.00	---
Cobalt	40	SB-059-030	3.80			.F.	80.00	8000.00	---
Cobalt	45	SB-057-016	12.90			.F.	80.00	8000.00	---
Copper	0	SB-037-002	31.40		J	.T.	25.00	2500.00	---
Copper	0	SB-058-002	15.90			.F.	25.00	2500.00	---
Copper	0	SB-059-002	74.40			.F.	25.00	2500.00	---
Copper	5	SB-038-005	119.00			.F.	25.00	2500.00	---
Copper	5	SB-039-005	42.80			.F.	25.00	2500.00	---
Copper	5	SB-058-005	721.00			.F.	25.00	2500.00	---
Copper	10	SB-038-008	74.00			.F.	25.00	2500.00	---
Copper	10	SB-047-005H	42.10			.F.	25.00	2500.00	---
Copper	10	SB-059-009	30.60			.F.	25.00	2500.00	---
Copper	15	SB-039-011H	66.90			.F.	25.00	2500.00	---
Copper	15	SB-047-007	162.00			.F.	25.00	2500.00	---
Copper	15	SB-047-009H	54.40			.F.	25.00	2500.00	---
Copper	15	SB-048-013	32.50			.F.	25.00	2500.00	---
Copper	15	SB-049-012	23.90			.F.	25.00	2500.00	---
Copper	15	SB-049-014H	90.70			.F.	25.00	2500.00	---
Copper	15	SB-057-005	78.40			.F.	25.00	2500.00	---
Copper	20	SB-057-007	38.10		J	.T.	25.00	2500.00	---
Copper	20	SB-059-016	43.30			.F.	25.00	2500.00	---
Copper	25	SB-057-010	47.00		J	.T.	25.00	2500.00	---
Copper	35	SB-057-013	6.20			.F.	25.00	2500.00	---
Copper	35	SB-059-027	49.20		J	.T.	25.00	2500.00	---
Copper	40	SB-059-030	7.45			.F.	25.00	2500.00	---
Copper	45	SB-057-016	30.00			.F.	25.00	2500.00	---
Iron	0	SB-037-002	24600.00			.T.	---	---	---
Iron	0	SB-058-002	14700.00			.F.	---	---	---
Iron	0	SB-059-002	22100.00			.F.	---	---	---
Iron	5	SB-038-005	17600.00			.F.	---	---	---
Iron	5	SB-039-005	19500.00			.F.	---	---	---
Iron	5	SB-058-005	23100.00			.F.	---	---	---
Iron	10	SB-038-008	16500.00			.F.	---	---	---
Iron	10	SB-047-005H	20600.00			.F.	---	---	---
Iron	10	SB-059-009	30300.00			.F.	---	---	---
Iron	15	SB-039-011H	15800.00			.F.	---	---	---
Iron	15	SB-047-007	28000.00			.F.	---	---	---
Iron	15	SB-047-009H	22500.00			.F.	---	---	---
Iron	15	SB-048-013	21900.00			.F.	---	---	---
Iron	15	SB-049-012	22900.00			.F.	---	---	---

2900 ppm (nc)

Ab PFE

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS WASTE LIMIT
Iron	15	SB-049-014H	74900.00			.F.	---	---	---
Iron	15	SB-057-005	17600.00			.F.	---	---	---
Iron	20	SB-057-007	36500.00			.T.	---	---	---
Iron	20	SB-059-016	31800.00			.F.	---	---	---
Iron	25	SB-057-010	35100.00			.T.	---	---	---
Iron	35	SB-057-013	8140.00			.F.	---	---	---
Iron	35	SB-059-027	35400.00			.T.	---	---	---
Iron	40	SB-059-030	7840.00			.F.	---	---	---
Iron	45	SB-057-016	25400.00			.F.	---	---	---
Lead	0	SB-037-002	19.50			.T.	5.00	1000.00	5.00
Lead	0	SB-058-002	80.10			.F.	5.00	1000.00	5.00
Lead	0	SB-059-002	122.00			.F.	5.00	1000.00	5.00
Lead	5	SB-038-005	394.00			.F.	5.00	1000.00	5.00
Lead	5	SB-039-005	2790.00			.F.	5.00	1000.00	5.00
Lead	5	SB-058-005	1600.00			.F.	5.00	1000.00	5.00
Lead	10	SB-038-008	218.00			.F.	5.00	1000.00	5.00
Lead	10	SB-047-005H	1060.00			.F.	5.00	1000.00	5.00
Lead	10	SB-059-009	6.52			.F.	5.00	1000.00	5.00
Lead	15	SB-039-011H	470.00			.F.	5.00	1000.00	5.00
Lead	15	SB-047-007	1050.00			.F.	5.00	1000.00	5.00
Lead	15	SB-047-009H	56.90			.F.	5.00	1000.00	5.00
Lead	15	SB-048-013	45.80			.F.	5.00	1000.00	5.00
Lead	15	SB-049-012	15.50			.F.	5.00	1000.00	5.00
Lead	15	SB-049-014H	107.00			.F.	5.00	1000.00	5.00
Lead	15	SB-057-005	1880.00			.F.	5.00	1000.00	5.00
Lead	20	SB-057-007	10.10			.T.	5.00	1000.00	5.00
Lead	20	SB-059-016	6.73			.F.	5.00	1000.00	5.00
Lead	25	SB-057-010	8.50			.T.	5.00	1000.00	5.00
Lead	35	SB-057-013	6.19			.F.	5.00	1000.00	5.00
Lead	35	SB-059-027	9.90			.T.	5.00	1000.00	5.00
Lead	40	SB-059-030	4.80			.F.	5.00	1000.00	5.00
Lead	45	SB-057-016	6.61			.F.	5.00	1000.00	5.00
Magnesium	0	SB-037-002	8050.00			.T.	---	---	---
Magnesium	0	SB-058-002	4640.00			.F.	---	---	---
Magnesium	0	SB-059-002	11100.00			.F.	---	---	---
Magnesium	5	SB-038-005	6710.00			.F.	---	---	---
Magnesium	5	SB-039-005	7690.00			.F.	---	---	---
Magnesium	5	SB-058-005	5380.00			.F.	---	---	---
Magnesium	10	SB-038-008	6070.00			.F.	---	---	---
Magnesium	10	SB-047-005H	6990.00			.F.	---	---	---
Magnesium	10	SB-059-009	7850.00			.F.	---	---	---
Magnesium	15	SB-039-011H	5990.00			.F.	---	---	---
Magnesium	15	SB-047-007	10700.00			.F.	---	---	---
Magnesium	15	SB-047-009H	10900.00			.F.	---	---	---
Magnesium	15	SB-048-013	8290.00			.F.	---	---	---
Magnesium	15	SB-049-012	5930.00			.F.	---	---	---
Magnesium	15	SB-049-014H	20500.00			.F.	---	---	---
Magnesium	15	SB-057-005	6130.00			.F.	---	---	---

500 ppm

NO V.P.S.

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	WDI Site								
	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TCLC LIMIT	HAZARDOUS WASTE LIMIT
Magnesium	20	SB-057-007	9140.00			.T.	---	---	---
Magnesium	20	SB-059-016	11900.00			.F.	---	---	---
Magnesium	25	SB-057-010	13000.00			.T.	---	---	---
Magnesium	35	SB-057-013	2150.00			.F.	---	---	---
Magnesium	35	SB-059-027	10800.00			.T.	---	---	---
Magnesium	40	SB-059-030	2090.00			.F.	---	---	---
Magnesium	45	SB-057-016	8180.00			.F.	---	---	---
Manganese	0	SB-037-002	453.00			.T.	---	---	---
Manganese	0	SB-058-002	210.00			.F.	---	---	---
Manganese	0	SB-059-002	433.00			.F.	---	---	---
Manganese	5	SB-038-005	255.00			.F.	---	---	---
Manganese	5	SB-039-005	331.00			.F.	---	---	---
Manganese	5	SB-058-005	324.00			.F.	---	---	---
Manganese	10	SB-038-008	235.00			.F.	---	---	---
Manganese	10	SB-047-005H	398.00			.F.	---	---	---
Manganese	10	SB-059-009	392.00			.F.	---	---	---
Manganese	15	SB-039-011H	272.00			.F.	---	---	---
Manganese	15	SB-047-007	365.00			.F.	---	---	---
Manganese	15	SB-047-009H	368.00			.F.	---	---	---
Manganese	15	SB-048-013	296.00			.F.	---	---	---
Manganese	15	SB-049-012	256.00			.F.	---	---	---
Manganese	15	SB-049-014H	966.00			.F.	---	---	---
Manganese	15	SB-057-005	290.00			.F.	---	---	---
Manganese	20	SB-057-007	604.00			.T.	---	---	---
Manganese	20	SB-059-016	2270.00			.F.	---	---	---
Manganese	25	SB-057-010	561.00			.T.	---	---	---
Manganese	35	SB-057-013	189.00			.F.	---	---	---
Manganese	35	SB-059-027	590.00			.T.	---	---	---
Manganese	40	SB-059-030	135.00			.F.	---	---	---
Manganese	45	SB-057-016	315.00			.F.	---	---	---
Mercury	0	SB-058-002	0.04			.F.	0.20	20.00	0.20
Mercury	0	SB-059-002	0.23			.F.	0.20	20.00	0.20
Mercury	5	SB-038-005	0.22			.F.	0.20	20.00	0.20
Mercury	5	SB-039-005	0.16			.F.	0.20	20.00	0.20
Mercury	5	SB-058-005	10.90			.F.	0.20	20.00	0.20
Mercury	10	SB-038-008	0.24			.F.	0.20	20.00	0.20
Mercury	10	SB-047-005H	0.03			.F.	0.20	20.00	0.20
Mercury	10	SB-059-009	0.04			.F.	0.20	20.00	0.20
Mercury	15	SB-039-011H	0.55			.F.	0.20	20.00	0.20
Mercury	15	SB-047-007	0.06			.F.	0.20	20.00	0.20
Mercury	15	SB-047-009H	0.12			.F.	0.20	20.00	0.20
Mercury	15	SB-048-013	0.06			.F.	0.20	20.00	0.20
Mercury	15	SB-049-012	0.03			.F.	0.20	20.00	0.20
Mercury	15	SB-049-014H	0.08			.F.	0.20	20.00	0.20
Mercury	15	SB-057-005	0.28			.F.	0.20	20.00	0.20
Mercury	20	SB-057-007	0.11		J	.T.	0.20	20.00	0.20
Mercury	20	SB-059-016	0.02			.F.	0.20	20.00	0.20
Mercury	25	SB-057-010	0.16		J	.T.	0.20	20.00	0.20

7800 ppm (nc)

23 ppm (nc)

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
Mercury	35	SB-057-013	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-059-027	0.16		J	.T.	0.20	20.00	0.20
Mercury	40	SB-059-030	0.05			.F.	0.20	20.00	0.20
Mercury	45	SB-057-016	0.05			.F.	0.20	20.00	0.20
Molybdenum	0	SB-058-002	1.86			.F.	350.00	3500.00	---
Molybdenum	0	SB-059-002	1.64			.F.	350.00	3500.00	---
Molybdenum	5	SB-038-005	1.23			.F.	350.00	3500.00	---
Molybdenum	5	SB-039-005	1.63			.F.	350.00	3500.00	---
Molybdenum	5	SB-058-005	33.40			.F.	350.00	3500.00	---
Molybdenum	10	SB-038-008	2.36			.F.	350.00	3500.00	---
Molybdenum	10	SB-047-005H	1.86			.F.	350.00	3500.00	---
Molybdenum	10	SB-059-009	0.56			.F.	350.00	3500.00	---
Molybdenum	15	SB-039-011H	0.58			.F.	350.00	3500.00	---
Molybdenum	15	SB-047-007	3.87			.F.	350.00	3500.00	---
Molybdenum	15	SB-047-009H	1.49			.F.	350.00	3500.00	---
Molybdenum	15	SB-048-013	3.85			.F.	350.00	3500.00	---
Molybdenum	15	SB-049-012	1.98			.F.	350.00	3500.00	---
Molybdenum	15	SB-049-014H	2.34			.F.	350.00	3500.00	---
Molybdenum	15	SB-057-005	3.36			.F.	350.00	3500.00	---
Molybdenum	20	SB-059-016	0.65			.F.	350.00	3500.00	---
Molybdenum	35	SB-057-013	0.54			.F.	350.00	3500.00	---
Molybdenum	40	SB-059-030	0.51			.F.	350.00	3500.00	---
Molybdenum	45	SB-057-016	0.55			.F.	350.00	3500.00	---
Nickel	0	SB-037-002	20.30			.T.	20.00	2000.00	---
Nickel	0	SB-058-002	17.80			.F.	20.00	2000.00	---
Nickel	0	SB-059-002	20.50			.F.	20.00	2000.00	---
Nickel	5	SB-038-005	24.10			.F.	20.00	2000.00	---
Nickel	5	SB-039-005	21.80			.F.	20.00	2000.00	---
Nickel	5	SB-058-005	105.00			.F.	20.00	2000.00	---
Nickel	10	SB-038-008	24.80			.F.	20.00	2000.00	---
Nickel	10	SB-047-005H	33.90			.F.	20.00	2000.00	---
Nickel	10	SB-059-009	24.90			.F.	20.00	2000.00	---
Nickel	15	SB-039-011H	24.40			.F.	20.00	2000.00	---
Nickel	15	SB-047-007	64.30			.F.	20.00	2000.00	---
Nickel	15	SB-047-009H	27.70			.F.	20.00	2000.00	---
Nickel	15	SB-048-013	28.30			.F.	20.00	2000.00	---
Nickel	15	SB-049-012	23.20			.F.	20.00	2000.00	---
Nickel	15	SB-049-014H	68.10			.F.	20.00	2000.00	---
Nickel	15	SB-057-005	41.60			.F.	20.00	2000.00	---
Nickel	20	SB-057-007	27.90			.T.	20.00	2000.00	---
Nickel	20	SB-059-016	32.60			.F.	20.00	2000.00	---
Nickel	25	SB-057-010	33.70			.T.	20.00	2000.00	---
Nickel	35	SB-057-013	3.47			.F.	20.00	2000.00	---
Nickel	35	SB-059-027	30.00			.T.	20.00	2000.00	---
Nickel	40	SB-059-030	5.39			.F.	20.00	2000.00	---
Nickel	45	SB-057-016	19.30			.F.	20.00	2000.00	---
Potassium	0	SB-037-002	4140.00			.T.	---	---	---
Potassium	0	SB-058-002	3120.00			.F.	---	---	---

390 ppm (inc)

1600 ppm (inc)

16 PPM

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
Potassium	0	SB-059-002	4100.00			.F.	---	---	---
Potassium	5	SB-038-005	3860.00			.F.	---	---	---
Potassium	5	SB-039-005	3870.00			.F.	---	---	---
Potassium	5	SB-058-005	5010.00			.F.	---	---	---
Potassium	10	SB-038-008	3360.00			.F.	---	---	---
Potassium	10	SB-047-005H	3530.00			.F.	---	---	---
Potassium	10	SB-059-009	4660.00			.F.	---	---	---
Potassium	15	SB-039-011H	3000.00			.F.	---	---	---
Potassium	15	SB-047-007	5490.00			.F.	---	---	---
Potassium	15	SB-047-009H	4700.00			.F.	---	---	---
Potassium	15	SB-048-013	4910.00			.F.	---	---	---
Potassium	15	SB-049-012	3990.00			.F.	---	---	---
Potassium	15	SB-049-014H	13200.00			.F.	---	---	---
Potassium	15	SB-057-005	2940.00			.F.	---	---	---
Potassium	20	SB-057-007	5790.00			.T.	---	---	---
Potassium	20	SB-059-016	4680.00			.F.	---	---	---
Potassium	25	SB-057-010	4360.00			.T.	---	---	---
Potassium	35	SB-057-013	862.00			.F.	---	---	---
Potassium	35	SB-059-027	4880.00			.T.	---	---	---
Potassium	40	SB-059-030	1110.00			.F.	---	---	---
Potassium	45	SB-057-016	4110.00			.F.	---	---	---
Selenium	0	SB-058-002	0.33			.F.	1.00	100.00	1.00
Selenium	0	SB-059-002	0.22			.F.	1.00	100.00	1.00
Selenium	5	SB-038-005	0.49			.F.	1.00	100.00	1.00
Selenium	5	SB-039-005	0.26			.F.	1.00	100.00	1.00
Selenium	5	SB-058-005	0.80			.F.	1.00	100.00	1.00
Selenium	10	SB-038-008	0.34			.F.	1.00	100.00	1.00
Selenium	10	SB-047-005H	0.38			.F.	1.00	100.00	1.00
Selenium	10	SB-059-009	0.22			.F.	1.00	100.00	1.00
Selenium	15	SB-039-011H	0.22			.F.	1.00	100.00	1.00
Selenium	15	SB-047-007	0.87			.F.	1.00	100.00	1.00
Selenium	15	SB-047-009H	0.51			.F.	1.00	100.00	1.00
Selenium	15	SB-048-013	0.38			.F.	1.00	100.00	1.00
Selenium	15	SB-049-012	0.38			.F.	1.00	100.00	1.00
Selenium	15	SB-049-014H	1.07			.F.	1.00	100.00	1.00
Selenium	15	SB-057-005	0.44			.F.	1.00	100.00	1.00
Selenium	20	SB-059-016	0.23			.F.	1.00	100.00	1.00
Selenium	35	SB-057-013	0.21			.F.	1.00	100.00	1.00
Selenium	40	SB-059-030	0.20			.F.	1.00	100.00	1.00
Selenium	45	SB-057-016	0.22			.F.	1.00	100.00	1.00
Silver	0	SB-058-002	0.48			.F.	5.00	500.00	5.00
Silver	0	SB-059-002	0.54			.F.	5.00	500.00	5.00
Silver	5	SB-038-005	0.91			.F.	5.00	500.00	5.00
Silver	5	SB-039-005	0.81			.F.	5.00	500.00	5.00
Silver	5	SB-058-005	4.80			.F.	5.00	500.00	5.00
Silver	10	SB-038-008	0.88			.F.	5.00	500.00	5.00
Silver	10	SB-047-005H	0.70			.F.	5.00	500.00	5.00
Silver	10	SB-059-009	0.64			.F.	5.00	500.00	5.00

390 ppm (nc)

390 ppm (nc)

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Silver	15	SB-039-011H	1.02			.F.	5.00	500.00	5.00
Silver	15	SB-047-007	1.58			.F.	5.00	500.00	5.00
Silver	15	SB-047-009H	1.41			.F.	5.00	500.00	5.00
Silver	15	SB-048-013	1.42			.F.	5.00	500.00	5.00
Silver	15	SB-049-012	0.69			.F.	5.00	500.00	5.00
Silver	15	SB-049-014H	2.23			.F.	5.00	500.00	5.00
Silver	15	SB-057-005	1.11			.F.	5.00	500.00	5.00
Silver	20	SB-059-016	0.66			.F.	5.00	500.00	5.00
Silver	35	SB-057-013	0.61			.F.	5.00	500.00	5.00
Silver	40	SB-059-030	0.47			.F.	5.00	500.00	5.00
Silver	45	SB-057-016	0.65			.F.	5.00	500.00	5.00
Sodium	0	SB-037-002	344.00	L	J	.T.	---	---	---
Sodium	0	SB-058-002	200.00			.F.	---	---	---
Sodium	0	SB-059-002	1530.00			.F.	---	---	---
Sodium	5	SB-038-005	2300.00			.F.	---	---	---
Sodium	5	SB-039-005	1160.00			.F.	---	---	---
Sodium	5	SB-058-005	1240.00			.F.	---	---	---
Sodium	10	SB-038-008	3510.00			.F.	---	---	---
Sodium	10	SB-047-005H	2340.00			.F.	---	---	---
Sodium	10	SB-059-009	1560.00			.F.	---	---	---
Sodium	15	SB-039-011H	3050.00			.F.	---	---	---
Sodium	15	SB-047-007	4930.00			.F.	---	---	---
Sodium	15	SB-047-009H	6090.00			.F.	---	---	---
Sodium	15	SB-048-013	6650.00			.F.	---	---	---
Sodium	15	SB-049-012	894.00			.F.	---	---	---
Sodium	15	SB-049-014H	4350.00			.F.	---	---	---
Sodium	15	SB-057-005	2990.00			.F.	---	---	---
Sodium	20	SB-057-007	1400.00			.T.	---	---	---
Sodium	20	SB-059-016	1930.00			.F.	---	---	---
Sodium	25	SB-057-010	1290.00			.T.	---	---	---
Sodium	35	SB-057-013	142.00			.F.	---	---	---
Sodium	35	SB-059-027	671.00	L	J	.T.	---	---	---
Sodium	40	SB-059-030	135.00			.F.	---	---	---
Sodium	45	SB-057-016	282.00			.F.	---	---	---
Thallium	0	SB-058-002	12.10			.F.	7.00	700.00	---
Thallium	0	SB-059-002	18.70			.F.	7.00	700.00	---
Thallium	5	SB-038-005	11.60			.F.	7.00	700.00	---
Thallium	5	SB-039-005	11.30			.F.	7.00	700.00	---
Thallium	5	SB-058-005	17.70			.F.	7.00	700.00	---
Thallium	10	SB-038-008	11.20			.F.	7.00	700.00	---
Thallium	10	SB-047-005H	17.70			.F.	7.00	700.00	---
Thallium	10	SB-059-009	22.20			.F.	7.00	700.00	---
Thallium	15	SB-039-011H	13.00			.F.	7.00	700.00	---
Thallium	15	SB-047-007	20.10			.F.	7.00	700.00	---
Thallium	15	SB-047-009H	17.90			.F.	7.00	700.00	---
Thallium	15	SB-048-013	18.00			.F.	7.00	700.00	---
Thallium	15	SB-049-012	39.20			.F.	7.00	700.00	---
Thallium	15	SB-049-014H	99.10			.F.	7.00	700.00	---

AG PPG

5.5 ppm (m)

TABLE 4-6 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	RESERVOIR				STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
			CONCEN- TRATION	DETECT	QA	VALI- DATED			
Thallium	15	SB-057-005	28.30			.F.	7.00	700.00	---
Thallium	20	SB-059-016	16.80			.F.	7.00	700.00	---
Thallium	35	SB-057-013	15.50			.F.	7.00	700.00	---
Thallium	40	SB-059-030	12.00			.F.	7.00	700.00	---
Thallium	45	SB-057-016	16.50			.F.	7.00	700.00	---
Vanadium	0	SB-037-002	45.30			.T.	24.00	2400.00	---
Vanadium	0	SB-058-002	25.80			.F.	24.00	2400.00	---
Vanadium	0	SB-059-002	46.40			.F.	24.00	2400.00	---
Vanadium	5	SB-038-005	38.80			.F.	24.00	2400.00	---
Vanadium	5	SB-039-005	45.90			.F.	24.00	2400.00	---
Vanadium	5	SB-058-005	41.20			.F.	24.00	2400.00	---
Vanadium	10	SB-038-008	37.50			.F.	24.00	2400.00	---
Vanadium	10	SB-047-005H	46.50			.F.	24.00	2400.00	---
Vanadium	10	SB-059-009	59.70			.F.	24.00	2400.00	---
Vanadium	15	SB-039-011H	39.90			.F.	24.00	2400.00	---
Vanadium	15	SB-047-007	49.70			.F.	24.00	2400.00	---
Vanadium	15	SB-047-009H	35.20			.F.	24.00	2400.00	---
Vanadium	15	SB-048-013	37.10			.F.	24.00	2400.00	---
Vanadium	15	SB-049-012	61.30			.F.	24.00	2400.00	---
Vanadium	15	SB-049-014H	180.00			.F.	24.00	2400.00	---
Vanadium	15	SB-057-005	31.50			.F.	24.00	2400.00	---
Vanadium	20	SB-057-007	68.30			.T.	24.00	2400.00	---
Vanadium	20	SB-059-016	57.40			.F.	24.00	2400.00	---
Vanadium	25	SB-057-010	64.70			.T.	24.00	2400.00	---
Vanadium	35	SB-057-013	14.10			.F.	24.00	2400.00	---
Vanadium	35	SB-059-027	65.60			.T.	24.00	2400.00	---
Vanadium	40	SB-059-030	16.30			.F.	24.00	2400.00	---
Vanadium	45	SB-057-016	53.50			.F.	24.00	2400.00	---
Zinc	0	SB-037-002	66.20			.T.	250.00	5000.00	---
Zinc	0	SB-058-002	53.40			.F.	250.00	5000.00	---
Zinc	0	SB-059-002	148.00			.F.	250.00	5000.00	---
Zinc	5	SB-038-005	214.00			.F.	250.00	5000.00	---
Zinc	5	SB-039-005	420.00			.F.	250.00	5000.00	---
Zinc	5	SB-058-005	775.00			.F.	250.00	5000.00	---
Zinc	10	SB-038-008	131.00			.F.	250.00	5000.00	---
Zinc	10	SB-047-005H	208.00			.F.	250.00	5000.00	---
Zinc	10	SB-059-009	73.60			.F.	250.00	5000.00	---
Zinc	15	SB-039-011H	453.00			.F.	250.00	5000.00	---
Zinc	15	SB-047-007	170.00			.F.	250.00	5000.00	---
Zinc	15	SB-047-009H	129.00			.F.	250.00	5000.00	---
Zinc	15	SB-048-013	110.00			.F.	250.00	5000.00	---
Zinc	15	SB-049-012	83.60			.F.	250.00	5000.00	---
Zinc	15	SB-049-014H	334.00			.F.	250.00	5000.00	---
Zinc	15	SB-057-005	255.00			.F.	250.00	5000.00	---
Zinc	20	SB-057-007	75.60			.T.	250.00	5000.00	---
Zinc	20	SB-059-016	78.20			.F.	250.00	5000.00	---
Zinc	25	SB-057-010	81.20			.T.	250.00	5000.00	---
Zinc	35	SB-057-013	20.20			.F.	250.00	5000.00	---

550 ppm (nd)

23,000 ppm (nd)

TABLE 4-6 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Zinc	35	SB-059-027	83.70			.T.	250.00	5000.00	---
Zinc	40	SB-059-030	21.60			.F.	250.00	5000.00	---
Zinc	45	SB-057-016	68.10			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDD		0	SB-048-002	9.80		.F.	---	---	---
4,4'-DDD		5	SB-048-005	2.50		.F.	---	---	---
4,4'-DDD		15	SB-107-005	28.00		.F.	---	---	---
4,4'-DDE		0	SB-048-001	6.30		.F.	---	---	---
4,4'-DDE		15	SB-107-005	17.00	J	.F.	---	---	---
4,4'-DDE		20	SB-107-008	44.00		.F.	---	---	---
4,4'-DDT		0	SB-038-001	18.00		.F.	---	---	---
4,4'-DDT		0	SB-048-001	72.00		.F.	---	---	---
4,4'-DDT		0	SB-107-001	70.00		.F.	---	---	---
Aroclor-1221		15	SB-039-010	91.00		.F.	---	---	---
Aroclor-1248		10	SB-108-006	45.00	X	.F.	---	---	---
Aroclor-1248		18	SB-108-010	37.00	X	.F.	---	---	---
Aroclor-1254		10	SB-047-006	86.00	J	.F.	---	---	---
Aroclor-1254		15	SB-039-010	290.00		.F.	---	---	---
Aroclor-1254		15	SB-047-008	570.00		.F.	---	---	---
Aroclor-1254		15	SB-048-011	330.00		.F.	---	---	---
Aroclor-1260		0	SB-047-004	100.00	J	.F.	---	---	---
Aroclor-1260		5	SB-038-004	380.00		.F.	---	---	---
Aroclor-1260		10	SB-038-007	1100.00		.F.	---	---	---
Aroclor-1260		10	SB-108-006	79.00	X	.F.	---	---	---
Aroclor-1260		15	SB-039-010	250.00		.F.	---	---	---
Aroclor-1260		18	SB-038-016	420.00		.F.	---	---	---
Aroclor-1260		18	SB-108-010	67.00		.F.	---	---	---
Aroclor-1260		20	SB-107-008	1300.00		.F.	---	---	---
Dieldrin		0	SB-048-002	7.80		.F.	---	---	---
Heptachlor epoxide		0	SB-048-001	46.00		.F.	---	---	---
Heptachlor epoxide		0	SB-048-002	2.50		.F.	---	---	---
alpha-Chlordane		0	SB-048-001	210.00		.F.	---	---	---
alpha-Chlordane		0	SB-048-002	9.10		.F.	---	---	---
gamma-Chlordane		0	SB-048-001	270.00		.F.	---	---	---
gamma-Chlordane		0	SB-048-002	12.00		.F.	---	---	---
** SEMI-VOLATILES									
1,2-Dichlorobenzene		5	SB-039-004	1600.00		.F.	---	---	---
1,4-Dichlorobenzene		5	SB-039-004	800.00		.F.	---	---	---
1,4-Dichlorobenzene		18	SB-108-010	55.00	J	.F.	---	---	---
2,6-Dinitrotoluene		15	SB-039-010	3500.00		.F.	---	---	---
2-Methylnaphthalene		0	SB-047-004	4700.00		.F.	---	---	---
2-Methylnaphthalene		5	SB-026-001	1300.00		.F.	---	---	---
2-Methylnaphthalene		5	SB-038-004	14000.00	E	.F.	---	---	---
2-Methylnaphthalene		5	SB-038-004	23000.00		.F.	---	---	---
2-Methylnaphthalene		5	SB-039-004	3500.00		.F.	---	---	---
2-Methylnaphthalene		5	SB-048-005	260.00		.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Methylnaphthalene	10	SB-038-007	54000.00	E		.F.	---	---	---
2-Methylnaphthalene	10	SB-038-007	88000.00			.F.	---	---	---
2-Methylnaphthalene	10	SB-047-006	42000.00	E		.F.	---	---	---
2-Methylnaphthalene	10	SB-047-006	39000.00			.F.	---	---	---
2-Methylnaphthalene	10	SB-058-007	2.20	J		.F.	---	---	---
2-Methylnaphthalene	10	SB-108-006	1400.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-035-001	110.00	J		.F.	---	---	---
2-Methylnaphthalene	15	SB-039-010	69000.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-039-010	47000.00	E		.F.	---	---	---
2-Methylnaphthalene	15	SB-047-008	120000.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-048-011	760.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-048-012	26000.00	E		.F.	---	---	---
2-Methylnaphthalene	15	SB-048-012	31000.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-058-008	76.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-107-005	1700.00	J		.F.	---	---	---
2-Methylnaphthalene	15	SB-107-006	370.00	J		.F.	---	---	---
2-Methylnaphthalene	15	SB-108-007	520.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-108-009	27.00			.F.	---	---	---
2-Methylnaphthalene	18	SB-108-010	2800.00			.F.	---	---	---
2-Methylnaphthalene	20	SB-057-006	17000.00	J		.F.	---	---	---
2-Methylnaphthalene	20	SB-058-012	21.00			.F.	---	---	---
2-Methylnaphthalene	20	SB-107-008	12000.00	J		.F.	---	---	---
2-Methylnaphthalene	25	SB-057-009	75000.00			.F.	---	---	---
3,3'-Dichlorobenzidine	10	SB-047-006	330.00	J		.F.	---	---	---
4-Methylphenol	15	SB-048-011	630.00			.F.	---	---	---
4-Methylphenol	15	SB-048-012	1200.00			.F.	---	---	---
4-Nitrophenol	10	SB-047-006	8100.00	J		.F.	---	---	---
4-Nitrophenol	15	SB-048-012	3400.00	J		.F.	---	---	---
4-Nitrophenol	18	SB-038-016	5000.00	J		.F.	---	---	---
Acenaphthene	0	SB-047-004	740.00			.F.	---	---	---
Acenaphthene	5	SB-039-004	380.00	J		.F.	---	---	---
Acenaphthene	10	SB-038-007	7400.00			.F.	---	---	---
Acenaphthene	10	SB-047-006	1800.00	J		.F.	---	---	---
Acenaphthene	10	SB-108-006	59.00	J		.F.	---	---	---
Acenaphthene	15	SB-048-011	2300.00			.F.	---	---	---
Acenaphthene	15	SB-048-012	1000.00			.F.	---	---	---
Acenaphthene	15	SB-058-008	2.70	J		.F.	---	---	---
Acenaphthene	15	SB-108-007	30.00	J		.F.	---	---	---
Acenaphthene	18	SB-038-016	4100.00			.F.	---	---	---
Acenaphthene	18	SB-108-010	110.00	J		.F.	---	---	---
Acenaphthylene	0	SB-047-004	170.00	BJ		.F.	---	---	---
Acenaphthylene	10	SB-038-007	2900.00			.F.	---	---	---
Acenaphthylene	10	SB-047-006	180.00	J		.F.	---	---	---
Acenaphthylene	15	SB-108-007	18.00	J		.F.	---	---	---
Anthracene	5	SB-038-004	1200.00			.F.	---	---	---
Anthracene	5	SB-039-004	260.00	J		.F.	---	---	---
Anthracene	10	SB-047-006	770.00	J		.F.	---	---	---
Anthracene	10	SB-108-006	82.00	J		.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Anthracene	15	SB-039-010	1300.00			.F.	---	---	---
Anthracene	15	SB-058-008	5.00	J		.F.	---	---	---
Anthracene	15	SB-108-007	35.00	J		.F.	---	---	---
Anthracene	18	SB-108-010	160.00	J		.F.	---	---	---
Benzo(a)anthracene	10	SB-038-007	4300.00			.F.	---	---	---
Benzo(a)anthracene	10	SB-047-006	600.00	J		.F.	---	---	---
Benzo(a)anthracene	10	SB-047-006	1100.00	J		.F.	---	---	---
Benzo(a)anthracene	15	SB-048-012	570.00	J		.F.	---	---	---
Benzo(a)anthracene	15	SB-108-007	27.00	J		.F.	---	---	---
Benzo(a)pyrene	0	SB-047-004	280.00	J		.F.	---	---	---
Benzo(a)pyrene	10	SB-038-007	3100.00			.F.	---	---	---
Benzo(a)pyrene	10	SB-047-006	640.00	J		.F.	---	---	---
Benzo(a)pyrene	15	SB-049-011	460.00			.F.	---	---	---
Benzo(a)pyrene	15	SB-108-007	18.00	J		.F.	---	---	---
Benzo(a)pyrene	18	SB-038-016	1700.00			.F.	---	---	---
Benzo(b)fluoranthene	0	SB-047-004	310.00	J		.F.	---	---	---
Benzo(b)fluoranthene	10	SB-038-007	3000.00			.F.	---	---	---
Benzo(b)fluoranthene	10	SB-047-006	410.00	J		.F.	---	---	---
Benzo(b)fluoranthene	15	SB-039-010	660.00	J		.F.	---	---	---
Benzo(g,h,i)perylene	10	SB-038-007	1100.00	J		.F.	---	---	---
Benzo(g,h,i)perylene	10	SB-038-007	560.00	J		.F.	---	---	---
Benzo(g,h,i)perylene	15	SB-039-010	110.00	J		.F.	---	---	---
Benzo(k)fluoranthene	0	SB-047-004	340.00	J		.F.	---	---	---
Benzo(k)fluoranthene	10	SB-047-006	410.00	J		.F.	---	---	---
Benzo(k)fluoranthene	15	SB-039-010	440.00	J		.F.	---	---	---
Benzoic Acid	10	SB-047-006	690.00	J		.F.	---	---	---
Benzoic Acid	15	SB-048-012	1700.00	J		.F.	---	---	---
Butylbenzylphthalate	0	SB-039-001	42.00	J		.F.	---	---	---
Chrysene	0	SB-047-004	490.00			.F.	---	---	---
Chrysene	5	SB-038-004	170.00	J		.F.	---	---	---
Chrysene	10	SB-038-007	7400.00			.F.	---	---	---
Chrysene	10	SB-047-006	1000.00	J		.F.	---	---	---
Chrysene	10	SB-047-006	970.00			.F.	---	---	---
Chrysene	10	SB-108-006	25.00	J		.F.	---	---	---
Chrysene	15	SB-039-010	1600.00			.F.	---	---	---
Chrysene	15	SB-039-010	2000.00	J		.F.	---	---	---
Chrysene	15	SB-048-011	1400.00			.F.	---	---	---
Chrysene	15	SB-048-012	780.00	J		.F.	---	---	---
Chrysene	15	SB-048-012	650.00	J		.F.	---	---	---
Chrysene	15	SB-049-011	120.00	J		.F.	---	---	---
Chrysene	15	SB-058-008	2.20	J		.F.	---	---	---
Chrysene	15	SB-108-007	30.00	J		.F.	---	---	---
Chrysene	18	SB-038-016	2600.00			.F.	---	---	---
Chrysene	18	SB-108-010	53.00	J		.F.	---	---	---
Di-n-butylphthalate	0	SB-037-001	230.00	J		.F.	---	---	---
Di-n-butylphthalate	0	SB-108-001	74.00	J		.F.	---	---	---
Di-n-butylphthalate	10	SB-108-006	27.00	J		.F.	---	---	---
Di-n-butylphthalate	15	SB-035-001	150.00	BJ		.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	WDI Site								
	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Di-n-butylphthalate	15	SB-049-011	140.00	BJ		.F.	---	---	---
Di-n-butylphthalate	15	SB-049-011	540.00			.F.	---	---	---
Di-n-butylphthalate	18	SB-108-010	53.00	J		.F.	---	---	---
Di-n-octylphthalate	10	SB-047-006	86.00	J		.F.	---	---	---
Di-n-octylphthalate	15	SB-048-011	630.00			.F.	---	---	---
Dibenzofuran	10	SB-047-006	420.00	J		.F.	---	---	---
Dibenzofuran	15	SB-039-010	890.00	J		.F.	---	---	---
Dibenzofuran	15	SB-047-008	1300.00	J		.F.	---	---	---
Dibenzofuran	15	SB-048-011	800.00			.F.	---	---	---
Dibenzofuran	15	SB-048-012	500.00	J		.F.	---	---	---
Fluoranthene	0	SB-047-004	520.00			.F.	---	---	---
Fluoranthene	5	SB-038-004	1800.00			.F.	---	---	---
Fluoranthene	5	SB-039-004	770.00			.F.	---	---	---
Fluoranthene	10	SB-038-007	8900.00			.F.	---	---	---
Fluoranthene	10	SB-038-007	1300.00			.F.	---	---	---
Fluoranthene	10	SB-047-006	870.00			.F.	---	---	---
Fluoranthene	10	SB-047-006	1300.00	J		.F.	---	---	---
Fluoranthene	10	SB-108-006	43.00	J		.F.	---	---	---
Fluoranthene	15	SB-039-010	1100.00			.F.	---	---	---
Fluoranthene	15	SB-048-011	1100.00			.F.	---	---	---
Fluoranthene	15	SB-048-012	580.00	J		.F.	---	---	---
Fluoranthene	15	SB-058-008	2.30	J		.F.	---	---	---
Fluoranthene	15	SB-108-007	41.00			.F.	---	---	---
Fluoranthene	18	SB-038-016	3800.00			.F.	---	---	---
Fluoranthene	18	SB-108-010	70.00	J		.F.	---	---	---
Fluorene	0	SB-047-004	1400.00			.F.	---	---	---
Fluorene	5	SB-026-001	210.00	J		.F.	---	---	---
Fluorene	5	SB-038-004	4100.00			.F.	---	---	---
Fluorene	5	SB-039-004	1000.00			.F.	---	---	---
Fluorene	5	SB-048-005	55.00			.F.	---	---	---
Fluorene	10	SB-038-007	17000.00			.F.	---	---	---
Fluorene	10	SB-047-006	2500.00	J		.F.	---	---	---
Fluorene	10	SB-108-006	120.00	J		.F.	---	---	---
Fluorene	15	SB-039-010	4100.00			.F.	---	---	---
Fluorene	15	SB-039-010	6900.00			.F.	---	---	---
Fluorene	15	SB-047-008	8100.00			.F.	---	---	---
Fluorene	15	SB-048-011	4400.00			.F.	---	---	---
Fluorene	15	SB-048-012	2400.00			.F.	---	---	---
Fluorene	15	SB-048-012	2500.00			.F.	---	---	---
Fluorene	15	SB-058-008	6.50	J		.F.	---	---	---
Fluorene	15	SB-108-007	64.00			.F.	---	---	---
Fluorene	15	SB-108-009	3.00	J		.F.	---	---	---
Fluorene	18	SB-038-016	8600.00			.F.	---	---	---
Fluorene	20	SB-058-012	2.00	J		.F.	---	---	---
Fluorene	25	SB-057-009	4300.00	J		.F.	---	---	---
Hexachloroethane	15	SB-107-006	280.00	J		.F.	---	---	---
Isophorone	0	SB-039-001	150.00	J		.F.	---	---	---
Isophorone	10	SB-108-006	62.00	J		.F.	---	---	---

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS WASTE LIMIT
Isophorone	15	SB-048-012	3200.00			.F.	---	---	---
N-Nitrosodiphenylamine	5	SB-038-004	1800.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	5	SB-039-004	430.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	10	SB-038-007	4700.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	15	SB-048-012	1200.00	J		.F.	---	---	---
Naphthalene	0	SB-047-004	3100.00			.F.	---	---	---
Naphthalene	5	SB-026-001	670.00	J		.F.	---	---	---
Naphthalene	5	SB-038-004	12000.00			.F.	---	---	---
Naphthalene	5	SB-038-004	9200.00			.F.	---	---	---
Naphthalene	5	SB-039-004	2300.00			.F.	---	---	---
Naphthalene	5	SB-048-005	100.00			.F.	---	---	---
Naphthalene	10	SB-038-007	52000.00			.F.	---	---	---
Naphthalene	10	SB-038-007	45000.00	E		.F.	---	---	---
Naphthalene	10	SB-047-006	20000.00			.F.	---	---	---
Naphthalene	10	SB-108-006	270.00			.F.	---	---	---
Naphthalene	15	SB-039-010	17000.00			.F.	---	---	---
Naphthalene	15	SB-039-010	24000.00			.F.	---	---	---
Naphthalene	15	SB-047-008	48000.00			.F.	---	---	---
Naphthalene	15	SB-048-011	17000.00			.F.	---	---	---
Naphthalene	15	SB-048-012	13000.00			.F.	---	---	---
Naphthalene	15	SB-048-012	12000.00			.F.	---	---	---
Naphthalene	15	SB-058-008	17.00	J		.F.	---	---	---
Naphthalene	15	SB-107-005	960.00	J		.F.	---	---	---
Naphthalene	15	SB-107-006	290.00	J		.F.	---	---	---
Naphthalene	15	SB-108-007	340.00			.F.	---	---	---
Naphthalene	15	SB-108-009	3.30	J		.F.	---	---	---
Naphthalene	18	SB-038-016	29000.00			.F.	---	---	---
Naphthalene	18	SB-108-010	520.00			.F.	---	---	---
Naphthalene	20	SB-057-006	6900.00	J		.F.	---	---	---
Naphthalene	20	SB-058-012	16.00	J		.F.	---	---	---
Naphthalene	20	SB-107-008	6800.00	J		.F.	---	---	---
Naphthalene	25	SB-057-009	36000.00			.F.	---	---	---
Phenanthrene	0	SB-038-001	37.00	J		.F.	---	---	---
Phenanthrene	0	SB-047-004	2700.00			.F.	---	---	---
Phenanthrene	5	SB-026-001	570.00	J		.F.	---	---	---
Phenanthrene	5	SB-038-004	8400.00			.F.	---	---	---
Phenanthrene	5	SB-038-004	9000.00			.F.	---	---	---
Phenanthrene	5	SB-039-004	2100.00			.F.	---	---	---
Phenanthrene	5	SB-048-005	160.00			.F.	---	---	---
Phenanthrene	10	SB-038-007	31000.00	E		.F.	---	---	---
Phenanthrene	10	SB-038-007	33000.00			.F.	---	---	---
Phenanthrene	10	SB-047-006	2600.00			.F.	---	---	---
Phenanthrene	10	SB-047-006	9700.00			.F.	---	---	---
Phenanthrene	10	SB-108-006	240.00			.F.	---	---	---
Phenanthrene	15	SB-039-010	13000.00			.F.	---	---	---
Phenanthrene	15	SB-039-010	15000.00			.F.	---	---	---
Phenanthrene	15	SB-047-008	27000.00			.F.	---	---	---
Phenanthrene	15	SB-048-011	12000.00			.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Phenanthrene	15	SB-048-012	6000.00			.F.	---	---	---
Phenanthrene	15	SB-048-012	7100.00			.F.	---	---	---
Phenanthrene	15	SB-058-008	15.00	J		.F.	---	---	---
Phenanthrene	15	SB-107-005	190.00	J		.F.	---	---	---
Phenanthrene	15	SB-107-006	90.00	J		.F.	---	---	---
Phenanthrene	15	SB-108-007	230.00			.F.	---	---	---
Phenanthrene	15	SB-108-009	5.70	J		.F.	---	---	---
Phenanthrene	18	SB-038-016	21000.00			.F.	---	---	---
Phenanthrene	18	SB-108-010	490.00			.F.	---	---	---
Phenanthrene	20	SB-057-006	2200.00	J		.F.	---	---	---
Phenanthrene	20	SB-058-012	6.60	J		.F.	---	---	---
Phenanthrene	20	SB-107-008	4600.00	J		.F.	---	---	---
Phenanthrene	25	SB-057-009	8000.00	J		.F.	---	---	---
Phenol	10	SB-047-006	840.00	J		.F.	---	---	---
Phenol	15	SB-048-012	2200.00			.F.	---	---	---
Pyrene	0	SB-038-001	42.00	J		.F.	---	---	---
Pyrene	5	SB-026-001	250.00	J		.F.	---	---	---
Pyrene	5	SB-038-004	2000.00	J		.F.	---	---	---
Pyrene	5	SB-039-004	1400.00	J		.F.	---	---	---
Pyrene	10	SB-038-007	2600.00	J		.F.	---	---	---
Pyrene	10	SB-047-006	1700.00	J		.F.	---	---	---
Pyrene	10	SB-047-006	1800.00	J		.F.	---	---	---
Pyrene	10	SB-108-006	46.00	J		.F.	---	---	---
Pyrene	15	SB-039-010	1600.00	J		.F.	---	---	---
Pyrene	15	SB-048-011	2900.00	J		.F.	---	---	---
Pyrene	15	SB-048-012	1300.00	J		.F.	---	---	---
Pyrene	15	SB-048-012	1100.00	J		.F.	---	---	---
Pyrene	15	SB-058-008	3.20	J		.F.	---	---	---
Pyrene	15	SB-108-007	71.00			.F.	---	---	---
Pyrene	18	SB-108-010	110.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-038-001	67.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-039-001	100.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-047-004	180.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-057-001	180.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-107-001	240.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-108-001	150.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-039-004	580.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-059-004	3400.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-038-007	940.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-058-007	3.60	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-108-006	96.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-035-001	280.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-039-010	520.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-048-011	630.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-049-011	240.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-058-008	18.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-059-011	69.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-107-005	2100.00			.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	WDI Site								
	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
bis(2-Ethylhexyl)phthalate	15	SB-107-006	480.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-108-009	3.60	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	18	SB-108-010	200.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-057-006	2500.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-026-013	130.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-057-009	2700.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-059-018	68.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-059-022	59.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-059-026	3300.00	BJ		.F.	---	---	---
** VOLATILES									
1,1,1-Trichloroethane	5	SB-026-001	23000.00			.F.	---	---	---
1,1,1-Trichloroethane	20	SB-107-008	840.00	BJ		.F.	---	---	---
1,1-Dichloroethene	5	SB-026-001	1200.00	J		.F.	---	---	---
1,2-Dichloroethene (total)	10	SB-108-006	13.00	J		.F.	---	---	---
1,2-Dichloroethene (total)	15	SB-108-007	1.70	J		.F.	---	---	---
1,2-Dichloroethene (total)	18	SB-108-010	22.00	J		.F.	---	---	---
2-Butanone	0	SB-057-001	11.00	B		.F.	---	---	---
2-Butanone	0	SB-107-001	1.00	J		.F.	---	---	---
2-Butanone	0	SB-108-001	2.00	J		.F.	---	---	---
2-Butanone	5	SB-059-004	27.00	B		.F.	---	---	---
2-Butanone	15	SB-035-001	12.00			.F.	---	---	---
2-Butanone	15	SB-059-011	9.00	BJ		.F.	---	---	---
2-Butanone	15	SB-107-006	13.00			.F.	---	---	---
2-Butanone	25	SB-026-013	2.00	BJ		.F.	---	---	---
2-Butanone	25	SB-059-018	15.00	B		.F.	---	---	---
2-Butanone	30	SB-059-022	12.00	B		.F.	---	---	---
2-Butanone	35	SB-026-017	9.00	BJ		.F.	---	---	---
2-Butanone	35	SB-059-026	27.00	B		.F.	---	---	---
Acetone	0	SB-037-001	3.00	BJ		.F.	---	---	---
Acetone	0	SB-037-001	14.00	B		.F.	---	---	---
Acetone	0	SB-038-001	24.00	B		.F.	---	---	---
Acetone	0	SB-039-001	12.00	B		.F.	---	---	---
Acetone	0	SB-057-001	11.00	B		.F.	---	---	---
Acetone	0	SB-107-001	20.00	B		.F.	---	---	---
Acetone	0	SB-108-001	31.00	B		.F.	---	---	---
Acetone	5	SB-048-005	120.00			.F.	---	---	---
Acetone	5	SB-059-004	64.00	B		.F.	---	---	---
Acetone	10	SB-026-005	10.00	BJ		.F.	---	---	---
Acetone	10	SB-058-007	8.00	B		.F.	---	---	---
Acetone	10	SB-108-006	140.00	B		.F.	---	---	---
Acetone	15	SB-035-001	82.00	B		.F.	---	---	---
Acetone	15	SB-047-008	4100.00			.F.	---	---	---
Acetone	15	SB-049-011	28.00	B		.F.	---	---	---
Acetone	15	SB-049-011	22.00	J		.F.	---	---	---
Acetone	15	SB-058-008	6.40	B		.F.	---	---	---
Acetone	15	SB-059-011	27.00	B		.F.	---	---	---
Acetone	15	SB-107-006	56.00	B		.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	DEPTH (IN FT)	WDI Site SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Acetone	15	SB-108-007	52.00	B		.F.	---	---	---
Acetone	15	SB-108-009	6.50	B		.F.	---	---	---
Acetone	18	SB-108-010	360.00	B		.F.	---	---	---
Acetone	20	SB-026-009	4.00	BJ		.F.	---	---	---
Acetone	20	SB-058-012	11.00	B		.F.	---	---	---
Acetone	20	SB-107-008	930.00	J		.F.	---	---	---
Acetone	25	SB-026-013	8.00	BJ		.F.	---	---	---
Acetone	25	SB-057-009	7600.00	BJ		.F.	---	---	---
Acetone	25	SB-059-018	26.00	B		.F.	---	---	---
Acetone	30	SB-059-022	28.00	B		.F.	---	---	---
Acetone	35	SB-026-017	7.00	BJ		.F.	---	---	---
Acetone	35	SB-059-026	59.00	B		.F.	---	---	---
Benzene	0	SB-047-004	260.00	J		.F.	---	---	---
Benzene	5	SB-026-001	1400.00	J		.F.	---	---	---
Benzene	5	SB-038-004	850.00			.F.	---	---	---
Benzene	10	SB-038-007	12000.00			.F.	---	---	---
Benzene	10	SB-047-006	4500.00			.F.	---	---	---
Benzene	10	SB-108-006	40.00	J		.F.	---	---	---
Benzene	15	SB-039-010	2400.00			.F.	---	---	---
Benzene	15	SB-048-011	7100.00			.F.	---	---	---
Benzene	15	SB-048-012	2600.00			.F.	---	---	---
Benzene	15	SB-058-008	1.80	J		.F.	---	---	---
Benzene	15	SB-107-005	440.00	J		.F.	---	---	---
Benzene	15	SB-107-006	2.00	J		.F.	---	---	---
Benzene	15	SB-108-007	12.00			.F.	---	---	---
Benzene	18	SB-038-016	1800.00	J		.F.	---	---	---
Benzene	18	SB-108-010	32.00	J		.F.	---	---	---
Benzene	20	SB-058-012	4.20	J		.F.	---	---	---
Benzene	25	SB-057-009	7700.00	J		.F.	---	---	---
Ethylbenzene	0	SB-047-004	450.00	J		.F.	---	---	---
Ethylbenzene	5	SB-026-001	10000.00			.F.	---	---	---
Ethylbenzene	5	SB-038-004	3800.00			.F.	---	---	---
Ethylbenzene	5	SB-039-004	730.00	J		.F.	---	---	---
Ethylbenzene	5	SB-059-004	11.00			.F.	---	---	---
Ethylbenzene	10	SB-038-007	29000.00			.F.	---	---	---
Ethylbenzene	10	SB-047-006	9700.00			.F.	---	---	---
Ethylbenzene	10	SB-108-006	220.00			.F.	---	---	---
Ethylbenzene	15	SB-035-001	14.00			.F.	---	---	---
Ethylbenzene	15	SB-039-010	5300.00			.F.	---	---	---
Ethylbenzene	15	SB-047-008	16000.00			.F.	---	---	---
Ethylbenzene	15	SB-048-011	15000.00			.F.	---	---	---
Ethylbenzene	15	SB-048-012	5800.00			.F.	---	---	---
Ethylbenzene	15	SB-058-008	4.80			.F.	---	---	---
Ethylbenzene	15	SB-107-005	980.00			.F.	---	---	---
Ethylbenzene	15	SB-107-006	33.00			.F.	---	---	---
Ethylbenzene	15	SB-108-007	35.00			.F.	---	---	---
Ethylbenzene	15	SB-108-009	1.20	J		.F.	---	---	---
Ethylbenzene	18	SB-038-016	9200.00			.F.	---	---	---

TABLE 4-6 (Continued)

RESERVOIR									
WDI Site									
PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Ethylbenzene	18	SB-108-010	170.00			.F.	---	---	---
Ethylbenzene	20	SB-058-012	4.60			.F.	---	---	---
Ethylbenzene	20	SB-107-008	5100.00			.F.	---	---	---
Ethylbenzene	25	SB-057-009	73000.00			.F.	---	---	---
Ethylbenzene	35	SB-059-026	2.00	J		.F.	---	---	---
Methylene Chloride	0	SB-037-001	18.00	B		.F.	---	---	---
Methylene Chloride	0	SB-037-001	3.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-038-001	6.00	B		.F.	---	---	---
Methylene Chloride	0	SB-039-001	7.00	B		.F.	---	---	---
Methylene Chloride	0	SB-048-002	7.00	B		.F.	---	---	---
Methylene Chloride	0	SB-057-001	1.00	J		.F.	---	---	---
Methylene Chloride	0	SB-107-001	13.00	B		.F.	---	---	---
Methylene Chloride	0	SB-108-001	12.00	B		.F.	---	---	---
Methylene Chloride	5	SB-026-001	15000.00	B		.F.	---	---	---
Methylene Chloride	5	SB-038-004	260.00	J		.F.	---	---	---
Methylene Chloride	5	SB-039-004	320.00	J		.F.	---	---	---
Methylene Chloride	5	SB-048-005	17.00	B		.F.	---	---	---
Methylene Chloride	5	SB-059-004	6.00	B		.F.	---	---	---
Methylene Chloride	10	SB-026-005	11.00	B		.F.	---	---	---
Methylene Chloride	10	SB-047-006	500.00	J		.F.	---	---	---
Methylene Chloride	10	SB-058-007	0.50	B		.F.	---	---	---
Methylene Chloride	10	SB-108-006	22.00	B		.F.	---	---	---
Methylene Chloride	15	SB-035-001	9.00	B		.F.	---	---	---
Methylene Chloride	15	SB-049-011	6.00	B		.F.	---	---	---
Methylene Chloride	15	SB-058-008	1.40	B		.F.	---	---	---
Methylene Chloride	15	SB-059-011	1.00	J		.F.	---	---	---
Methylene Chloride	15	SB-107-005	1100.00	B		.F.	---	---	---
Methylene Chloride	15	SB-107-006	16.00	B		.F.	---	---	---
Methylene Chloride	15	SB-108-007	1.00	B		.F.	---	---	---
Methylene Chloride	15	SB-108-009	0.50	B		.F.	---	---	---
Methylene Chloride	18	SB-038-016	3000.00	J		.F.	---	---	---
Methylene Chloride	18	SB-108-010	46.00	B		.F.	---	---	---
Methylene Chloride	20	SB-026-009	9.00	B		.F.	---	---	---
Methylene Chloride	20	SB-058-012	1.00	B		.F.	---	---	---
Methylene Chloride	20	SB-107-008	15000.00	B		.F.	---	---	---
Methylene Chloride	25	SB-026-013	7.00	B		.F.	---	---	---
Methylene Chloride	25	SB-059-018	2.00	J		.F.	---	---	---
Methylene Chloride	30	SB-059-022	1.00	J		.F.	---	---	---
Methylene Chloride	35	SB-026-017	8.00	B		.F.	---	---	---
Methylene Chloride	35	SB-059-026	5.00	BJ		.F.	---	---	---
Tetrachloroethene	5	SB-059-004	5.00	J		.F.	---	---	---
Tetrachloroethene	10	SB-047-006	1200.00			.F.	---	---	---
Tetrachloroethene	15	SB-035-001	2.00	J		.F.	---	---	---
Tetrachloroethene	15	SB-039-010	1100.00	B		.F.	---	---	---
Tetrachloroethene	15	SB-047-008	5200.00	B		.F.	---	---	---
Tetrachloroethene	15	SB-048-011	2900.00	B		.F.	---	---	---
Tetrachloroethene	15	SB-048-012	1100.00	BJ		.F.	---	---	---
Tetrachloroethene	18	SB-108-010	45.00	J		.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	DEPTH (IN FT)	RESERVOIR		CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
		SAMPLE NO.	WDI Site							
Toluene	0	SB-037-001		10.00			.F.	---	---	---
Toluene	0	SB-037-001		4.00	J		.F.	---	---	---
Toluene	0	SB-039-001		1.00	J		.F.	---	---	---
Toluene	0	SB-047-004		440.00	J		.F.	---	---	---
Toluene	0	SB-048-002		1.00			.F.	---	---	---
Toluene	0	SB-057-001		89.00			.F.	---	---	---
Toluene	0	SB-107-001		180.00			.F.	---	---	---
Toluene	0	SB-108-001		86.00			.F.	---	---	---
Toluene	5	SB-026-001		5700.00			.F.	---	---	---
Toluene	5	SB-038-004		730.00	J		.F.	---	---	---
Toluene	5	SB-039-004		210.00	J		.F.	---	---	---
Toluene	5	SB-059-004		100.00			.F.	---	---	---
Toluene	10	SB-026-005		31.00	B		.F.	---	---	---
Toluene	10	SB-038-007		44000.00			.F.	---	---	---
Toluene	10	SB-047-006		20000.00			.F.	---	---	---
Toluene	10	SB-108-006		190.00			.F.	---	---	---
Toluene	15	SB-035-001		19.00			.F.	---	---	---
Toluene	15	SB-039-010		12000.00			.F.	---	---	---
Toluene	15	SB-047-008		34000.00			.F.	---	---	---
Toluene	15	SB-048-011		39000.00			.F.	---	---	---
Toluene	15	SB-048-012		12000.00			.F.	---	---	---
Toluene	15	SB-049-011		2.00	JX		.F.	---	---	---
Toluene	15	SB-049-011		4.00	J		.F.	---	---	---
Toluene	15	SB-058-008		2.00	B		.F.	---	---	---
Toluene	15	SB-107-005		660.00	BJ		.F.	---	---	---
Toluene	15	SB-107-006		58.00			.F.	---	---	---
Toluene	15	SB-108-007		85.00			.F.	---	---	---
Toluene	15	SB-108-009		0.80	J		.F.	---	---	---
Toluene	18	SB-038-016		12000.00			.F.	---	---	---
Toluene	18	SB-108-010		180.00			.F.	---	---	---
Toluene	20	SB-026-009		4.00	BJ		.F.	---	---	---
Toluene	20	SB-058-012		13.00	B		.F.	---	---	---
Toluene	20	SB-107-008		11000.00	B		.F.	---	---	---
Toluene	25	SB-026-013		4.00	BJ		.F.	---	---	---
Toluene	25	SB-057-009		3600.00	J		.F.	---	---	---
Toluene	35	SB-026-017		5.00	BJ		.F.	---	---	---
Toluene	35	SB-059-026		190.00			.F.	---	---	---
Trichloroethene	15	SB-039-010		540.00	J		.F.	---	---	---
Trichloroethene	15	SB-047-008		550.00	J		.F.	---	---	---
Vinyl Chloride	10	SB-108-006		18.00	J		.F.	---	---	---
Vinyl Chloride	15	SB-039-010		420.00	J		.F.	---	---	---
Vinyl Chloride	15	SB-108-007		1.00	J		.F.	---	---	---
Vinyl Chloride	18	SB-108-010		20.00	J		.F.	---	---	---
Xylene (total)	0	SB-047-004		1300.00			.F.	---	---	---
Xylene (total)	5	SB-026-001		62000.00			.F.	---	---	---
Xylene (total)	5	SB-038-004		12000.00			.F.	---	---	---
Xylene (total)	5	SB-039-004		1000.00			.F.	---	---	---
Xylene (total)	5	SB-059-004		13.00			.F.	---	---	---

TABLE 4-6 (Continued)

PARAMETER	RESERVOIR								
	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Xylene (total)	10	SB-038-007	140000.00			.F.	---	---	---
Xylene (total)	10	SB-047-006	57000.00	E		.F.	---	---	---
Xylene (total)	10	SB-108-006	1300.00			.F.	---	---	---
Xylene (total)	15	SB-035-001	120.00			.F.	---	---	---
Xylene (total)	15	SB-039-010	38000.00	E		.F.	---	---	---
Xylene (total)	15	SB-047-008	97000.00	E		.F.	---	---	---
Xylene (total)	15	SB-048-011	100000.00	E		.F.	---	---	---
Xylene (total)	15	SB-048-012	38000.00			.F.	---	---	---
Xylene (total)	15	SB-058-008	18.00			.F.	---	---	---
Xylene (total)	15	SB-107-005	420.00	J		.F.	---	---	---
Xylene (total)	15	SB-108-007	250.00			.F.	---	---	---
Xylene (total)	15	SB-108-009	4.10			.F.	---	---	---
Xylene (total)	18	SB-038-016	58000.00			.F.	---	---	---
Xylene (total)	18	SB-108-010	1000.00			.F.	---	---	---
Xylene (total)	20	SB-058-012	29.00			.F.	---	---	---
Xylene (total)	20	SB-107-008	7300.00			.F.	---	---	---
Xylene (total)	25	SB-057-009	410000.00			.F.	---	---	---
Xylene (total)	35	SB-059-026	19.00			.F.	---	---	---

TABLE 4-7

CHEMICAL CHARACTERISTICS - AREA 1
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	5	SB-033-002	11500.00			.F.	---	---	---
Aluminum	5	SB-053-005	23900.00			.F.	---	---	---
Aluminum	5	SB-054-002	15100.00			.F.	---	---	---
Aluminum	5	SB-073-002	17000.00			.F.	---	---	---
Aluminum	10	SB-033-006	26500.00			.F.	---	---	---
Aluminum	10	SB-044-003	17600.00			.T.	---	---	---
Aluminum	10	SB-054-006	13800.00			.T.	---	---	---
Aluminum	15	SB-033-010	8530.00			.F.	---	---	---
Aluminum	20	SB-044-006	20100.00			.T.	---	---	---
Aluminum	20	SB-053-015	20200.00			.F.	---	---	---
Aluminum	20	SB-054-009	17500.00			.T.	---	---	---
Aluminum	35	SB-032-014	3390.00			.F.	---	---	---
Aluminum	35	SB-033-017	3300.00			.F.	---	---	---
Aluminum	35	SB-044-008	4220.00			.F.	---	---	---
Aluminum	35	SB-053-022	6300.00			.F.	---	---	---
Aluminum	35	SB-054-012	4450.00			.F.	---	---	---
Aluminum	35	SB-064-013	5760.00			.F.	---	---	---
Aluminum	35	SB-072-010	4210.00			.F.	---	---	---
Antimony	5	SB-033-002	5.70			.F.	15.00	500.00	---
Antimony	5	SB-053-005	4.40			.F.	15.00	500.00	---
Antimony	5	SB-054-002	5.40			.F.	15.00	500.00	---
Antimony	5	SB-073-002	6.60			.F.	15.00	500.00	---
Antimony	10	SB-033-006	5.50			.F.	15.00	500.00	---
Antimony	10	SB-044-003	5.80	L	J	.T.	15.00	500.00	---
Antimony	15	SB-033-010	5.30			.F.	15.00	500.00	---
Antimony	20	SB-044-006	6.60	L	J	.T.	15.00	500.00	---
Antimony	20	SB-053-015	6.00			.F.	15.00	500.00	---
Antimony	35	SB-032-014	5.30			.F.	15.00	500.00	---
Antimony	35	SB-033-017	3.90			.F.	15.00	500.00	---
Antimony	35	SB-044-008	2.40			.F.	15.00	500.00	---
Antimony	35	SB-053-022	4.60			.F.	15.00	500.00	---
Antimony	35	SB-054-012	5.40			.F.	15.00	500.00	---
Antimony	35	SB-064-013	2.60			.F.	15.00	500.00	---
Antimony	35	SB-072-010	2.40			.F.	15.00	500.00	---
Arsenic	5	SB-033-002	20.70			.F.	5.00	500.00	5.00
Arsenic	5	SB-053-005	5.28			.F.	5.00	500.00	5.00
Arsenic	5	SB-054-002	4.98			.F.	5.00	500.00	5.00
Arsenic	5	SB-073-002	11.00			.F.	5.00	500.00	5.00
Arsenic	10	SB-033-006	6.97			.F.	5.00	500.00	5.00
Arsenic	10	SB-044-003	3.80			.T.	5.00	500.00	5.00
Arsenic	10	SB-054-006	5.10			.T.	5.00	500.00	5.00
Arsenic	15	SB-033-010	17.40			.F.	5.00	500.00	5.00
Arsenic	20	SB-044-006	1.00	L	J	.T.	5.00	500.00	5.00
Arsenic	20	SB-053-015	8.88			.F.	5.00	500.00	5.00
Arsenic	20	SB-054-009	7.50			.T.	5.00	500.00	5.00
Arsenic	35	SB-032-014	1.15			.F.	5.00	500.00	5.00
Arsenic	35	SB-033-017	1.22			.F.	5.00	500.00	5.00

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Arsenic	35	SB-044-008	1.92			.F.	5.00	500.00	5.00
Arsenic	35	SB-053-022	2.81			.F.	5.00	500.00	5.00
Arsenic	35	SB-054-012	2.22			.F.	5.00	500.00	5.00
Arsenic	35	SB-064-013	3.45			.F.	5.00	500.00	5.00
Arsenic	35	SB-072-010	3.13			.F.	5.00	500.00	5.00
Barium	5	SB-033-002	261.00			.F.	100.00	10000.00	100.00
Barium	5	SB-053-005	217.00			.F.	100.00	10000.00	100.00
Barium	5	SB-054-002	176.00			.F.	100.00	10000.00	100.00
Barium	5	SB-073-002	732.00			.F.	100.00	10000.00	100.00
Barium	10	SB-033-006	148.00			.F.	100.00	10000.00	100.00
Barium	10	SB-044-003	194.00			.T.	100.00	10000.00	100.00
Barium	10	SB-054-006	99.60			.T.	100.00	10000.00	100.00
Barium	15	SB-033-010	92.10			.F.	100.00	10000.00	100.00
Barium	20	SB-044-006	356.00			.T.	100.00	10000.00	100.00
Barium	20	SB-053-015	207.00			.F.	100.00	10000.00	100.00
Barium	20	SB-054-009	218.00			.T.	100.00	10000.00	100.00
Barium	35	SB-032-014	42.40			.F.	100.00	10000.00	100.00
Barium	35	SB-033-017	47.40			.F.	100.00	10000.00	100.00
Barium	35	SB-044-008	41.20			.F.	100.00	10000.00	100.00
Barium	35	SB-053-022	65.40			.F.	100.00	10000.00	100.00
Barium	35	SB-054-012	49.70			.F.	100.00	10000.00	100.00
Barium	35	SB-064-013	67.70			.F.	100.00	10000.00	100.00
Barium	35	SB-072-010	47.30			.F.	100.00	10000.00	100.00
Beryllium	5	SB-033-002	0.19			.F.	0.75	75.00	---
Beryllium	5	SB-053-005	0.15			.F.	0.75	75.00	---
Beryllium	5	SB-054-002	0.30			.F.	0.75	75.00	---
Beryllium	5	SB-073-002	0.22			.F.	0.75	75.00	---
Beryllium	10	SB-033-006	0.19			.F.	0.75	75.00	---
Beryllium	10	SB-044-003	0.69	L	J	.T.	0.75	75.00	---
Beryllium	10	SB-054-006	1.10			.T.	0.75	75.00	---
Beryllium	15	SB-033-010	0.18			.F.	0.75	75.00	---
Beryllium	20	SB-044-006	0.80	L	J	.T.	0.75	75.00	---
Beryllium	20	SB-053-015	0.20			.F.	0.75	75.00	---
Beryllium	20	SB-054-009	1.20			.T.	0.75	75.00	---
Beryllium	35	SB-032-014	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-033-017	0.13			.F.	0.75	75.00	---
Beryllium	35	SB-044-008	0.17			.F.	0.75	75.00	---
Beryllium	35	SB-053-022	0.15			.F.	0.75	75.00	---
Beryllium	35	SB-054-012	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-064-013	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-072-010	0.17			.F.	0.75	75.00	---
Cadmium	5	SB-033-002	0.61			.F.	1.00	100.00	1.00
Cadmium	5	SB-053-005	0.57			.F.	1.00	100.00	1.00
Cadmium	5	SB-054-002	0.39			.F.	1.00	100.00	1.00
Cadmium	5	SB-073-002	1.19			.F.	1.00	100.00	1.00
Cadmium	10	SB-033-006	0.66			.F.	1.00	100.00	1.00
Cadmium	15	SB-033-010	0.36			.F.	1.00	100.00	1.00
Cadmium	20	SB-053-015	0.54			.F.	1.00	100.00	1.00

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cadmium	35	SB-032-014	0.35			.F.	1.00	100.00	1.00
Cadmium	35	SB-033-017	0.26			.F.	1.00	100.00	1.00
Cadmium	35	SB-044-008	50.10			.F.	1.00	100.00	1.00
Cadmium	35	SB-053-022	0.30			.F.	1.00	100.00	1.00
Cadmium	35	SB-054-012	1.86			.F.	1.00	100.00	1.00
Cadmium	35	SB-064-013	0.24			.F.	1.00	100.00	1.00
Cadmium	35	SB-072-010	0.29			.F.	1.00	100.00	1.00
Calcium	5	SB-033-002	6070.00			.F.	---	---	---
Calcium	5	SB-053-005	2720.00			.F.	---	---	---
Calcium	5	SB-054-002	2670.00			.F.	---	---	---
Calcium	5	SB-073-002	16600.00			.F.	---	---	---
Calcium	10	SB-033-006	3840.00			.F.	---	---	---
Calcium	10	SB-044-003	57600.00			.T.	---	---	---
Calcium	10	SB-054-006	2350.00			.T.	---	---	---
Calcium	15	SB-033-010	3430.00			.F.	---	---	---
Calcium	20	SB-044-006	8170.00			.T.	---	---	---
Calcium	20	SB-053-015	7000.00			.F.	---	---	---
Calcium	20	SB-054-009	7410.00			.T.	---	---	---
Calcium	35	SB-032-014	1440.00			.F.	---	---	---
Calcium	35	SB-033-017	1480.00			.F.	---	---	---
Calcium	35	SB-044-008	1990.00			.F.	---	---	---
Calcium	35	SB-053-022	2110.00			.F.	---	---	---
Calcium	35	SB-054-012	1650.00			.F.	---	---	---
Calcium	35	SB-064-013	2580.00			.F.	---	---	---
Calcium	35	SB-072-010	1810.00			.F.	---	---	---
Chromium	5	SB-033-002	22.30			.F.	560.00	2500.00	5.00
Chromium	5	SB-053-005	33.90			.F.	560.00	2500.00	5.00
Chromium	5	SB-054-002	27.20			.F.	560.00	2500.00	5.00
Chromium	5	SB-073-002	44.40			.F.	560.00	2500.00	5.00
Chromium	10	SB-033-006	39.70			.F.	560.00	2500.00	5.00
Chromium	10	SB-044-003	30.60			.T.	560.00	2500.00	5.00
Chromium	10	SB-054-006	22.20			.T.	560.00	2500.00	5.00
Chromium	15	SB-033-010	15.20			.F.	560.00	2500.00	5.00
Chromium	20	SB-044-006	64.00			.T.	560.00	2500.00	5.00
Chromium	20	SB-053-015	31.40			.F.	560.00	2500.00	5.00
Chromium	20	SB-054-009	37.00			.T.	560.00	2500.00	5.00
Chromium	35	SB-032-014	4.63			.F.	560.00	2500.00	5.00
Chromium	35	SB-033-017	5.46			.F.	560.00	2500.00	5.00
Chromium	35	SB-044-008	7.09			.F.	560.00	2500.00	5.00
Chromium	35	SB-053-022	10.80			.F.	560.00	2500.00	5.00
Chromium	35	SB-054-012	11.10			.F.	560.00	2500.00	5.00
Chromium	35	SB-064-013	11.30			.F.	560.00	2500.00	5.00
Chromium	35	SB-072-010	6.64			.F.	560.00	2500.00	5.00
Cobalt	5	SB-033-002	9.69			.F.	80.00	8000.00	---
Cobalt	5	SB-053-005	15.90			.F.	80.00	8000.00	---
Cobalt	5	SB-054-002	14.90			.F.	80.00	8000.00	---
Cobalt	5	SB-073-002	12.60			.F.	80.00	8000.00	---
Cobalt	10	SB-033-006	16.00			.F.	80.00	8000.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cobalt	10	SB-044-003	13.60			.T.	80.00	8000.00	---
Cobalt	10	SB-054-006	12.00			.T.	80.00	8000.00	---
Cobalt	15	SB-033-010	9.40			.F.	80.00	8000.00	---
Cobalt	20	SB-044-006	15.50			.T.	80.00	8000.00	---
Cobalt	20	SB-053-015	17.00			.F.	80.00	8000.00	---
Cobalt	20	SB-054-009	13.90			.T.	80.00	8000.00	---
Cobalt	35	SB-032-014	2.46			.F.	80.00	8000.00	---
Cobalt	35	SB-033-017	2.86			.F.	80.00	8000.00	---
Cobalt	35	SB-044-008	3.19			.F.	80.00	8000.00	---
Cobalt	35	SB-053-022	5.45			.F.	80.00	8000.00	---
Cobalt	35	SB-054-012	4.06			.F.	80.00	8000.00	---
Cobalt	35	SB-064-013	4.83			.F.	80.00	8000.00	---
Cobalt	35	SB-072-010	3.33			.F.	80.00	8000.00	---
Copper	5	SB-033-002	25.90			.F.	25.00	2500.00	---
Copper	5	SB-053-005	25.70			.F.	25.00	2500.00	---
Copper	5	SB-054-002	26.70			.F.	25.00	2500.00	---
Copper	5	SB-073-002	33.30			.F.	25.00	2500.00	---
Copper	10	SB-033-006	33.50			.F.	25.00	2500.00	---
Copper	10	SB-044-003	34.30		J	.T.	25.00	2500.00	---
Copper	10	SB-054-006	20.70		J	.T.	25.00	2500.00	---
Copper	15	SB-033-010	17.90			.F.	25.00	2500.00	---
Copper	20	SB-044-006	37.80		J	.T.	25.00	2500.00	---
Copper	20	SB-053-015	38.60			.F.	25.00	2500.00	---
Copper	20	SB-054-009	35.20		J	.T.	25.00	2500.00	---
Copper	35	SB-032-014	5.59			.F.	25.00	2500.00	---
Copper	35	SB-033-017	5.81			.F.	25.00	2500.00	---
Copper	35	SB-044-008	14.10			.F.	25.00	2500.00	---
Copper	35	SB-053-022	11.40			.F.	25.00	2500.00	---
Copper	35	SB-054-012	8.09			.F.	25.00	2500.00	---
Copper	35	SB-064-013	9.91			.F.	25.00	2500.00	---
Copper	35	SB-072-010	4.97			.F.	25.00	2500.00	---
Iron	5	SB-033-002	18100.00			.F.	---	---	---
Iron	5	SB-053-005	30000.00			.F.	---	---	---
Iron	5	SB-054-002	24100.00			.F.	---	---	---
Iron	5	SB-073-002	24200.00			.F.	---	---	---
Iron	10	SB-033-006	33400.00			.F.	---	---	---
Iron	10	SB-044-003	25900.00			.T.	---	---	---
Iron	10	SB-054-006	21400.00			.T.	---	---	---
Iron	15	SB-033-010	17400.00			.F.	---	---	---
Iron	20	SB-044-006	27500.00			.T.	---	---	---
Iron	20	SB-053-015	31100.00			.F.	---	---	---
Iron	20	SB-054-009	27100.00			.T.	---	---	---
Iron	35	SB-032-014	5780.00			.F.	---	---	---
Iron	35	SB-033-017	6100.00			.F.	---	---	---
Iron	35	SB-044-008	7590.00			.F.	---	---	---
Iron	35	SB-053-022	11200.00			.F.	---	---	---
Iron	35	SB-054-012	8270.00			.F.	---	---	---
Iron	35	SB-064-013	11400.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Iron	35	SB-072-010	7240.00			.F.	---	---	---
Lead	5	SB-033-002	75.60			.F.	5.00	1000.00	5.00
Lead	5	SB-053-005	4.78			.F.	5.00	1000.00	5.00
Lead	5	SB-054-002	5.92			.F.	5.00	1000.00	5.00
Lead	5	SB-073-002	59.60			.F.	5.00	1000.00	5.00
Lead	10	SB-033-006	7.30			.F.	5.00	1000.00	5.00
Lead	10	SB-044-003	6.30			.T.	5.00	1000.00	5.00
Lead	10	SB-054-006	5.50			.T.	5.00	1000.00	5.00
Lead	15	SB-033-010	5.80			.F.	5.00	1000.00	5.00
Lead	20	SB-044-006	5.50			.T.	5.00	1000.00	5.00
Lead	20	SB-053-015	6.63			.F.	5.00	1000.00	5.00
Lead	20	SB-054-009	6.90			.T.	5.00	1000.00	5.00
Lead	35	SB-032-014	5.82			.F.	5.00	1000.00	5.00
Lead	35	SB-033-017	4.26			.F.	5.00	1000.00	5.00
Lead	35	SB-044-008	3.70			.F.	5.00	1000.00	5.00
Lead	35	SB-053-022	5.00			.F.	5.00	1000.00	5.00
Lead	35	SB-054-012	5.92			.F.	5.00	1000.00	5.00
Lead	35	SB-064-013	9.39			.F.	5.00	1000.00	5.00
Lead	35	SB-072-010	2.89			.F.	5.00	1000.00	5.00
Magnesium	5	SB-033-002	4530.00			.F.	---	---	---
Magnesium	5	SB-053-005	7910.00			.F.	---	---	---
Magnesium	5	SB-054-002	6680.00			.F.	---	---	---
Magnesium	5	SB-073-002	7710.00			.F.	---	---	---
Magnesium	10	SB-033-006	8360.00			.F.	---	---	---
Magnesium	10	SB-044-003	12200.00			.T.	---	---	---
Magnesium	10	SB-054-006	5440.00			.T.	---	---	---
Magnesium	15	SB-033-010	5060.00			.F.	---	---	---
Magnesium	20	SB-044-006	11100.00			.T.	---	---	---
Magnesium	20	SB-053-015	10900.00			.F.	---	---	---
Magnesium	20	SB-054-009	9340.00			.T.	---	---	---
Magnesium	35	SB-032-014	1840.00			.F.	---	---	---
Magnesium	35	SB-033-017	1820.00			.F.	---	---	---
Magnesium	35	SB-044-008	2300.00			.F.	---	---	---
Magnesium	35	SB-053-022	3580.00			.F.	---	---	---
Magnesium	35	SB-054-012	2520.00			.F.	---	---	---
Magnesium	35	SB-064-013	3170.00			.F.	---	---	---
Magnesium	35	SB-072-010	2070.00			.F.	---	---	---
Manganese	5	SB-033-002	317.00			.F.	---	---	---
Manganese	5	SB-053-005	672.00			.F.	---	---	---
Manganese	5	SB-054-002	652.00			.F.	---	---	---
Manganese	5	SB-073-002	368.00			.F.	---	---	---
Manganese	10	SB-033-006	569.00			.F.	---	---	---
Manganese	10	SB-044-003	518.00			.T.	---	---	---
Manganese	10	SB-054-006	379.00			.T.	---	---	---
Manganese	15	SB-033-010	272.00			.F.	---	---	---
Manganese	20	SB-044-006	349.00			.T.	---	---	---
Manganese	20	SB-053-015	542.00			.F.	---	---	---
Manganese	20	SB-054-009	317.00			.T.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Manganese	35	SB-032-014	101.00			.F.	---	---	---
Manganese	35	SB-033-017	120.00			.F.	---	---	---
Manganese	35	SB-044-008	125.00			.F.	---	---	---
Manganese	35	SB-053-022	159.00			.F.	---	---	---
Manganese	35	SB-054-012	151.00			.F.	---	---	---
Manganese	35	SB-064-013	199.00			.F.	---	---	---
Manganese	35	SB-072-010	173.00			.F.	---	---	---
Mercury	5	SB-033-002	0.05			.F.	0.20	20.00	0.20
Mercury	5	SB-053-005	0.05			.F.	0.20	20.00	0.20
Mercury	5	SB-054-002	0.02			.F.	0.20	20.00	0.20
Mercury	5	SB-073-002	0.07			.F.	0.20	20.00	0.20
Mercury	10	SB-033-006	0.15			.F.	0.20	20.00	0.20
Mercury	10	SB-044-003	0.30		J	.T.	0.20	20.00	0.20
Mercury	15	SB-033-010	0.04			.F.	0.20	20.00	0.20
Mercury	20	SB-053-015	0.10			.F.	0.20	20.00	0.20
Mercury	20	SB-054-009	0.63		J	.T.	0.20	20.00	0.20
Mercury	35	SB-032-014	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-033-017	0.07			.F.	0.20	20.00	0.20
Mercury	35	SB-044-008	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-053-022	0.05			.F.	0.20	20.00	0.20
Mercury	35	SB-054-012	0.04			.F.	0.20	20.00	0.20
Mercury	35	SB-064-013	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-072-010	0.07			.F.	0.20	20.00	0.20
Molybdenum	5	SB-033-002	1.08			.F.	350.00	3500.00	---
Molybdenum	5	SB-053-005	0.71			.F.	350.00	3500.00	---
Molybdenum	5	SB-054-002	0.49			.F.	350.00	3500.00	---
Molybdenum	5	SB-073-002	2.53			.F.	350.00	3500.00	---
Molybdenum	10	SB-033-006	0.55			.F.	350.00	3500.00	---
Molybdenum	15	SB-033-010	0.51			.F.	350.00	3500.00	---
Molybdenum	20	SB-053-015	0.61			.F.	350.00	3500.00	---
Molybdenum	35	SB-032-014	0.45			.F.	350.00	3500.00	---
Molybdenum	35	SB-033-017	0.48			.F.	350.00	3500.00	---
Molybdenum	35	SB-044-008	0.48			.F.	350.00	3500.00	---
Molybdenum	35	SB-053-022	0.50			.F.	350.00	3500.00	---
Molybdenum	35	SB-054-012	0.45			.F.	350.00	3500.00	---
Molybdenum	35	SB-064-013	0.48			.F.	350.00	3500.00	---
Molybdenum	35	SB-072-010	0.45			.F.	350.00	3500.00	---
Nickel	5	SB-033-002	28.50			.F.	20.00	2000.00	---
Nickel	5	SB-053-005	21.60			.F.	20.00	2000.00	---
Nickel	5	SB-054-002	18.90			.F.	20.00	2000.00	---
Nickel	5	SB-073-002	25.60			.F.	20.00	2000.00	---
Nickel	10	SB-033-006	24.70			.F.	20.00	2000.00	---
Nickel	10	SB-044-003	24.40			.T.	20.00	2000.00	---
Nickel	10	SB-054-006	14.30			.T.	20.00	2000.00	---
Nickel	15	SB-033-010	12.30			.F.	20.00	2000.00	---
Nickel	20	SB-044-006	21.70			.T.	20.00	2000.00	---
Nickel	20	SB-053-015	24.90			.F.	20.00	2000.00	---
Nickel	20	SB-054-009	22.60			.T.	20.00	2000.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Nickel	35	SB-032-014	4.06			.F.	20.00	2000.00	---
Nickel	35	SB-033-017	4.23			.F.	20.00	2000.00	---
Nickel	35	SB-044-008	5.46			.F.	20.00	2000.00	---
Nickel	35	SB-053-022	8.26			.F.	20.00	2000.00	---
Nickel	35	SB-054-012	7.76			.F.	20.00	2000.00	---
Nickel	35	SB-064-013	6.94			.F.	20.00	2000.00	---
Nickel	35	SB-072-010	5.40			.F.	20.00	2000.00	---
Potassium	5	SB-033-002	3440.00			.F.	---	---	---
Potassium	5	SB-053-005	4430.00			.F.	---	---	---
Potassium	5	SB-054-002	4560.00			.F.	---	---	---
Potassium	5	SB-073-002	4390.00			.F.	---	---	---
Potassium	10	SB-033-006	4550.00			.F.	---	---	---
Potassium	10	SB-044-003	3720.00			.T.	---	---	---
Potassium	10	SB-054-006	4050.00			.T.	---	---	---
Potassium	15	SB-033-010	2150.00			.F.	---	---	---
Potassium	20	SB-044-006	3990.00			.T.	---	---	---
Potassium	20	SB-053-015	3920.00			.F.	---	---	---
Potassium	20	SB-054-009	3810.00			.T.	---	---	---
Potassium	35	SB-032-014	715.00			.F.	---	---	---
Potassium	35	SB-033-017	661.00			.F.	---	---	---
Potassium	35	SB-044-008	878.00			.F.	---	---	---
Potassium	35	SB-053-022	1840.00			.F.	---	---	---
Potassium	35	SB-054-012	1130.00			.F.	---	---	---
Potassium	35	SB-064-013	1480.00			.F.	---	---	---
Potassium	35	SB-072-010	1010.00			.F.	---	---	---
Selenium	5	SB-033-002	0.26			.F.	1.00	100.00	1.00
Selenium	5	SB-053-005	0.28			.F.	1.00	100.00	1.00
Selenium	5	SB-054-002	0.20			.F.	1.00	100.00	1.00
Selenium	5	SB-073-002	0.52			.F.	1.00	100.00	1.00
Selenium	10	SB-033-006	0.27			.F.	1.00	100.00	1.00
Selenium	15	SB-033-010	0.26			.F.	1.00	100.00	1.00
Selenium	20	SB-053-015	0.31			.F.	1.00	100.00	1.00
Selenium	35	SB-032-014	0.23			.F.	1.00	100.00	1.00
Selenium	35	SB-033-017	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-044-008	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-053-022	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-054-012	0.18			.F.	1.00	100.00	1.00
Selenium	35	SB-064-013	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-072-010	0.23			.F.	1.00	100.00	1.00
Silver	5	SB-033-002	0.61			.F.	5.00	500.00	5.00
Silver	5	SB-053-005	0.47			.F.	5.00	500.00	5.00
Silver	5	SB-054-002	0.58			.F.	5.00	500.00	5.00
Silver	5	SB-073-002	0.70			.F.	5.00	500.00	5.00
Silver	10	SB-033-006	0.59			.F.	5.00	500.00	5.00
Silver	15	SB-033-010	0.57			.F.	5.00	500.00	5.00
Silver	20	SB-053-015	0.64			.F.	5.00	500.00	5.00
Silver	35	SB-032-014	0.57			.F.	5.00	500.00	5.00
Silver	35	SB-033-017	0.42			.F.	5.00	500.00	5.00

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLIC LIMIT	WASTE LIMIT
Silver	35	SB-044-008	0.75			.F.	5.00	500.00	5.00
Silver	35	SB-053-022	0.49			.F.	5.00	500.00	5.00
Silver	35	SB-054-012	0.58			.F.	5.00	500.00	5.00
Silver	35	SB-064-013	0.81			.F.	5.00	500.00	5.00
Silver	35	SB-072-010	0.75			.F.	5.00	500.00	5.00
Sodium	5	SB-033-002	666.00			.F.	---	---	---
Sodium	5	SB-053-005	649.00			.F.	---	---	---
Sodium	5	SB-054-002	1180.00			.F.	---	---	---
Sodium	5	SB-073-002	867.00			.F.	---	---	---
Sodium	10	SB-033-006	524.00			.F.	---	---	---
Sodium	10	SB-044-003	1780.00			.T.	---	---	---
Sodium	10	SB-054-006	773.00	L	J	.T.	---	---	---
Sodium	15	SB-033-010	283.00			.F.	---	---	---
Sodium	20	SB-044-006	564.00	L	J	.T.	---	---	---
Sodium	20	SB-053-015	858.00			.F.	---	---	---
Sodium	20	SB-054-009	599.00	L	J	.T.	---	---	---
Sodium	35	SB-032-014	124.00			.F.	---	---	---
Sodium	35	SB-033-017	103.00			.F.	---	---	---
Sodium	35	SB-044-008	134.00			.F.	---	---	---
Sodium	35	SB-053-022	132.00			.F.	---	---	---
Sodium	35	SB-054-012	139.00			.F.	---	---	---
Sodium	35	SB-064-013	152.00			.F.	---	---	---
Sodium	35	SB-072-010	134.00			.F.	---	---	---
Thallium	5	SB-033-002	20.00			.F.	7.00	700.00	---
Thallium	5	SB-053-005	20.10			.F.	7.00	700.00	---
Thallium	5	SB-054-002	14.80			.F.	7.00	700.00	---
Thallium	5	SB-073-002	27.70			.F.	7.00	700.00	---
Thallium	10	SB-033-006	20.50			.F.	7.00	700.00	---
Thallium	15	SB-033-010	18.00			.F.	7.00	700.00	---
Thallium	20	SB-053-015	27.70			.F.	7.00	700.00	---
Thallium	35	SB-032-014	14.60			.F.	7.00	700.00	---
Thallium	35	SB-033-017	10.70			.F.	7.00	700.00	---
Thallium	35	SB-044-008	9.49			.F.	7.00	700.00	---
Thallium	35	SB-053-022	12.50			.F.	7.00	700.00	---
Thallium	35	SB-054-012	14.80			.F.	7.00	700.00	---
Thallium	35	SB-064-013	10.40			.F.	7.00	700.00	---
Thallium	35	SB-072-010	9.52			.F.	7.00	700.00	---
Vanadium	5	SB-033-002	37.50			.F.	24.00	2400.00	---
Vanadium	5	SB-053-005	58.20			.F.	24.00	2400.00	---
Vanadium	5	SB-054-002	46.70			.F.	24.00	2400.00	---
Vanadium	5	SB-073-002	49.10			.F.	24.00	2400.00	---
Vanadium	10	SB-033-006	65.80			.F.	24.00	2400.00	---
Vanadium	10	SB-044-003	42.90			.T.	24.00	2400.00	---
Vanadium	10	SB-054-006	39.90			.T.	24.00	2400.00	---
Vanadium	15	SB-033-010	30.90			.F.	24.00	2400.00	---
Vanadium	20	SB-044-006	44.20			.T.	24.00	2400.00	---
Vanadium	20	SB-053-015	54.40			.F.	24.00	2400.00	---
Vanadium	20	SB-054-009	44.60			.T.	24.00	2400.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Vanadium	35	SB-032-014	9.43			.F.	24.00	2400.00	---
Vanadium	35	SB-033-017	9.33			.F.	24.00	2400.00	---
Vanadium	35	SB-044-008	13.30			.F.	24.00	2400.00	---
Vanadium	35	SB-053-022	19.80			.F.	24.00	2400.00	---
Vanadium	35	SB-054-012	15.00			.F.	24.00	2400.00	---
Vanadium	35	SB-064-013	20.80			.F.	24.00	2400.00	---
Vanadium	35	SB-072-010	13.60			.F.	24.00	2400.00	---
Zinc	5	SB-033-002	113.00			.F.	250.00	5000.00	---
Zinc	5	SB-053-005	67.80			.F.	250.00	5000.00	---
Zinc	5	SB-054-002	65.90			.F.	250.00	5000.00	---
Zinc	5	SB-073-002	108.00			.F.	250.00	5000.00	---
Zinc	10	SB-033-006	67.60			.F.	250.00	5000.00	---
Zinc	10	SB-044-003	67.60			.T.	250.00	5000.00	---
Zinc	10	SB-054-006	46.80			.T.	250.00	5000.00	---
Zinc	15	SB-033-010	40.70			.F.	250.00	5000.00	---
Zinc	20	SB-044-006	80.00			.T.	250.00	5000.00	---
Zinc	20	SB-053-015	75.40			.F.	250.00	5000.00	---
Zinc	20	SB-054-009	69.00			.T.	250.00	5000.00	---
Zinc	35	SB-032-014	20.30			.F.	250.00	5000.00	---
Zinc	35	SB-033-017	17.40			.F.	250.00	5000.00	---
Zinc	35	SB-044-008	30.30			.F.	250.00	5000.00	---
Zinc	35	SB-053-022	30.60			.F.	250.00	5000.00	---
Zinc	35	SB-054-012	27.80			.F.	250.00	5000.00	---
Zinc	35	SB-064-013	31.80			.F.	250.00	5000.00	---
Zinc	35	SB-072-010	24.10			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDD	0	SB-064-001	23.00	J		.F.	---	---	---
4,4'-DDD	0	SB-072-001	36.00			.F.	---	---	---
4,4'-DDE	0	SB-064-004	8.40	J		.F.	---	---	---
4,4'-DDE	0	SB-072-001	13.00	J		.F.	---	---	---
4,4'-DDT	0	SB-072-001	36.00			.F.	---	---	---
gamma-Chlordane	0	SB-064-004	3.60	J		.F.	---	---	---
gamma-Chlordane	0	SB-072-001	2.70	J		.F.	---	---	---
** SEMI-VOLATILES									
2-Methylnaphthalene	5	SB-073-001	67.00	J		.F.	---	---	---
2-Methylnaphthalene	35	SB-072-009	660.00			.F.	---	---	---
4-Methylphenol	35	SB-072-009	800.00			.F.	---	---	---
Benzo(a)anthracene	0	SB-064-001	76.00	J		.F.	---	---	---
Benzo(a)pyrene	0	SB-064-001	130.00	J		.F.	---	---	---
Benzo(a)pyrene	5	SB-073-001	480.00			.F.	---	---	---
Benzo(b)fluoranthene	0	SB-064-001	130.00	J		.F.	---	---	---
Benzoic Acid	35	SB-072-009	89.00	J		.F.	---	---	---
Chrysene	0	SB-064-001	170.00	J		.F.	---	---	---
Chrysene	5	SB-073-001	620.00			.F.	---	---	---
Chrysene	10	SB-044-001	190.00	J		.F.	---	---	---
Chrysene	35	SB-044-077	190.00	J		.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Di-n-butylphthalate	0	SB-053-001	470.00	J		.F.	---	---	---
Di-n-butylphthalate	0	SB-053-001	470.00	J		.F.	---	---	---
Di-n-butylphthalate	0	SB-064-001	170.00	BJ		.F.	---	---	---
Di-n-butylphthalate	0	SB-064-004	230.00	BJ		.F.	---	---	---
Di-n-butylphthalate	0	SB-072-001	300.00	BJ		.F.	---	---	---
Di-n-butylphthalate	5	SB-032-001	77.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-032-001	77.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-073-001	670.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-044-001	300.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-064-005	150.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-064-008	540.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-072-005	340.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-044-077	480.00			.F.	---	---	---
Di-n-butylphthalate	35	SB-064-012	720.00	B		.F.	---	---	---
Fluoranthene	0	SB-064-001	260.00	J		.F.	---	---	---
Fluorene	10	SB-044-001	240.00	J		.F.	---	---	---
Fluorene	35	SB-044-077	250.00	J		.F.	---	---	---
Naphthalene	35	SB-072-009	320.00	J		.F.	---	---	---
Phenanthrene	10	SB-044-001	810.00			.F.	---	---	---
Phenanthrene	35	SB-044-077	960.00			.F.	---	---	---
Pyrene	0	SB-064-001	260.00	J		.F.	---	---	---
Pyrene	10	SB-044-001	180.00	J		.F.	---	---	---
Pyrene	35	SB-044-077	120.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-064-001	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-064-004	260.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-072-001	190.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-032-001	380.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-032-001	380.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-032-003	180.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-032-005	120.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-044-001	710.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-053-008	92.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-053-008	92.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-064-005	210.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-032-009	180.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-044-004	250.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-064-008	380.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-064-010	37000.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-072-005	250.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-044-077	5800.00			.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-064-001	15.00			.F.	---	---	---
2-Butanone	0	SB-072-001	44.00	D		.F.	---	---	---
2-Butanone	0	SB-072-001	46.00			.F.	---	---	---
2-Butanone	5	SB-032-001	10.00	J		.F.	---	---	---
2-Butanone	5	SB-032-001	10.00	J		.F.	---	---	---
2-Butanone	5	SB-032-003	61.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Butanone	10	SB-032-005	21.00			.F.	---	---	---
2-Butanone	10	SB-032-008	12.00			.F.	---	---	---
2-Butanone	10	SB-044-001	8.00	J		.F.	---	---	---
2-Butanone	20	SB-032-009	100.00			.F.	---	---	---
2-Butanone	20	SB-032-012	71.00			.F.	---	---	---
2-Butanone	20	SB-033-013	10.00	J		.F.	---	---	---
2-Butanone	20	SB-033-013	10.00	J		.F.	---	---	---
2-Butanone	20	SB-044-004	11.00	J		.F.	---	---	---
2-Butanone	20	SB-064-010	51.00			.F.	---	---	---
2-Butanone	20	SB-072-005	13.00			.F.	---	---	---
2-Butanone	25	SB-053-018	7.00	J		.F.	---	---	---
2-Butanone	25	SB-053-018	7.00	J		.F.	---	---	---
Acetone	0	SB-064-001	75.00	B		.F.	---	---	---
Acetone	0	SB-064-004	29.00	B		.F.	---	---	---
Acetone	0	SB-072-001	120.00			.F.	---	---	---
Acetone	0	SB-072-001	130.00	D		.F.	---	---	---
Acetone	5	SB-032-001	9.00	BJ		.F.	---	---	---
Acetone	5	SB-032-001	9.00	BJ		.F.	---	---	---
Acetone	5	SB-032-003	37.00	B		.F.	---	---	---
Acetone	10	SB-032-005	18.00	B		.F.	---	---	---
Acetone	10	SB-032-008	11.00	B		.F.	---	---	---
Acetone	10	SB-044-001	32.00	B		.F.	---	---	---
Acetone	10	SB-053-008	7.00	BJ		.F.	---	---	---
Acetone	10	SB-053-008	7.00	BJ		.F.	---	---	---
Acetone	10	SB-064-005	21.00	B		.F.	---	---	---
Acetone	15	SB-053-011	5.00	BJ		.F.	---	---	---
Acetone	15	SB-053-011	5.00	BJ		.F.	---	---	---
Acetone	20	SB-032-009	24.00	B		.F.	---	---	---
Acetone	20	SB-032-012	32.00	B		.F.	---	---	---
Acetone	20	SB-033-013	14.00	B		.F.	---	---	---
Acetone	20	SB-033-013	14.00	B		.F.	---	---	---
Acetone	20	SB-044-004	41.00	B		.F.	---	---	---
Acetone	20	SB-064-008	20.00	B		.F.	---	---	---
Acetone	20	SB-064-010	21.00	B		.F.	---	---	---
Acetone	25	SB-053-018	6.00	BJ		.F.	---	---	---
Acetone	25	SB-053-018	6.00	BJ		.F.	---	---	---
Chloroform	25	SB-053-018	2.00	J		.F.	---	---	---
Chloroform	25	SB-053-018	2.00	J		.F.	---	---	---
Methylene Chloride	0	SB-053-001	8.00			.F.	---	---	---
Methylene Chloride	0	SB-053-001	8.00			.F.	---	---	---
Methylene Chloride	0	SB-064-001	2.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-064-004	5.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-072-001	2.00	J		.F.	---	---	---
Methylene Chloride	5	SB-032-001	4.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-032-001	4.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-032-003	5.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-032-005	7.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-032-008	2.00	BJ		.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Methylene Chloride	10	SB-044-001	2.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-053-008	7.00			.F.	---	---	---
Methylene Chloride	10	SB-053-008	7.00			.F.	---	---	---
Methylene Chloride	10	SB-064-005	2.00	BJ		.F.	---	---	---
Methylene Chloride	15	SB-053-011	7.00			.F.	---	---	---
Methylene Chloride	15	SB-053-011	7.00			.F.	---	---	---
Methylene Chloride	20	SB-032-009	15.00	B		.F.	---	---	---
Methylene Chloride	20	SB-032-012	7.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-033-013	5.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-033-013	5.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-044-004	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-064-008	3.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-064-010	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-072-005	2.00	J		.F.	---	---	---
Methylene Chloride	25	SB-053-018	6.00			.F.	---	---	---
Methylene Chloride	25	SB-053-018	6.00			.F.	---	---	---
Methylene Chloride	35	SB-044-077	6.00	B		.F.	---	---	---
Toluene	0	SB-053-001	2.00	J		.F.	---	---	---
Toluene	0	SB-053-001	2.00	J		.F.	---	---	---
Toluene	0	SB-064-001	32.00			.F.	---	---	---
Toluene	0	SB-064-004	65.00			.F.	---	---	---
Toluene	0	SB-072-001	470.00	E		.F.	---	---	---
Toluene	0	SB-072-001	360.00	D		.F.	---	---	---
Toluene	10	SB-044-001	130.00			.F.	---	---	---
Toluene	15	SB-053-011	1.00	J		.F.	---	---	---
Toluene	15	SB-053-011	1.00	J		.F.	---	---	---
Toluene	20	SB-032-012	8.00	J		.F.	---	---	---
Toluene	20	SB-044-004	24.00			.F.	---	---	---
Toluene	20	SB-064-010	4.00	J		.F.	---	---	---
Toluene	20	SB-072-005	6.00	J		.F.	---	---	---
Toluene	35	SB-044-077	4.00	J		.F.	---	---	---
Toluene	35	SB-044-077	18.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-021-011	12200.00			.F.	---	---	---
Aluminum	35	SB-031-013	4110.00			.F.	---	---	---
Aluminum	40	SB-008-014	3230.00			.F.	---	---	---
Antimony	35	SB-021-011	2.70			.F.	15.00	500.00	---
Antimony	35	SB-031-013	2.10			.F.	15.00	500.00	---
Antimony	40	SB-008-014	2.40			.F.	15.00	500.00	---
Arsenic	35	SB-021-011	4.98			.F.	5.00	500.00	5.00
Arsenic	35	SB-031-013	3.75			.F.	5.00	500.00	5.00
Arsenic	40	SB-008-014	3.22			.F.	5.00	500.00	5.00
Barium	35	SB-021-011	116.00			.F.	100.00	10000.00	100.00
Barium	35	SB-031-013	40.40			.F.	100.00	10000.00	100.00
Barium	40	SB-008-014	48.60			.F.	100.00	10000.00	100.00
Beryllium	35	SB-021-011	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-031-013	0.15			.F.	0.75	75.00	---
Beryllium	40	SB-008-014	0.17			.F.	0.75	75.00	---
Cadmium	35	SB-021-011	24.70			.F.	1.00	100.00	1.00
Cadmium	35	SB-031-013	0.19			.F.	1.00	100.00	1.00
Cadmium	40	SB-008-014	0.23			.F.	1.00	100.00	1.00
Calcium	35	SB-021-011	4590.00			.F.	---	---	---
Calcium	35	SB-031-013	1460.00			.F.	---	---	---
Calcium	40	SB-008-014	1310.00			.F.	---	---	---
Chromium	35	SB-021-011	23.50			.F.	560.00	2500.00	5.00
Chromium	35	SB-031-013	7.23			.F.	560.00	2500.00	5.00
Chromium	40	SB-008-014	5.64			.F.	560.00	2500.00	5.00
Cobalt	35	SB-021-011	11.40			.F.	80.00	8000.00	---
Cobalt	35	SB-031-013	3.72			.F.	80.00	8000.00	---
Cobalt	40	SB-008-014	3.21			.F.	80.00	8000.00	---
Copper	35	SB-021-011	507.00			.F.	25.00	2500.00	---
Copper	35	SB-031-013	5.06			.F.	25.00	2500.00	---
Copper	40	SB-008-014	9.72			.F.	25.00	2500.00	---
Iron	35	SB-021-011	20300.00			.F.	---	---	---
Iron	35	SB-031-013	7500.00			.F.	---	---	---
Iron	40	SB-008-014	5920.00			.F.	---	---	---
Lead	35	SB-021-011	8.93			.F.	5.00	1000.00	5.00
Lead	35	SB-031-013	2.56			.F.	5.00	1000.00	5.00
Lead	40	SB-008-014	2.97			.F.	5.00	1000.00	5.00
Magnesium	35	SB-021-011	6610.00			.F.	---	---	---
Magnesium	35	SB-031-013	2320.00			.F.	---	---	---
Magnesium	40	SB-008-014	1860.00			.F.	---	---	---
Manganese	35	SB-021-011	272.00			.F.	---	---	---
Manganese	35	SB-031-013	110.00			.F.	---	---	---
Manganese	40	SB-008-014	156.00			.F.	---	---	---
Mercury	35	SB-021-011	0.08			.F.	0.20	20.00	0.20
Mercury	35	SB-031-013	0.02			.F.	0.20	20.00	0.20
Mercury	40	SB-008-014	0.02			.F.	0.20	20.00	0.20
Molybdenum	35	SB-021-011	0.74			.F.	350.00	3500.00	---
Molybdenum	35	SB-031-013	0.49			.F.	350.00	3500.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Molybdenum	40	SB-008-014	0.30			.F.	350.00	3500.00	---
Nickel	35	SB-021-011	16.20			.F.	20.00	2000.00	---
Nickel	35	SB-031-013	5.07			.F.	20.00	2000.00	---
Nickel	40	SB-008-014	3.96			.F.	20.00	2000.00	---
Potassium	35	SB-021-011	3350.00			.F.	---	---	---
Potassium	35	SB-031-013	1060.00			.F.	---	---	---
Potassium	40	SB-008-014	699.00			.F.	---	---	---
Selenium	35	SB-021-011	0.28			.F.	1.00	100.00	1.00
Selenium	35	SB-031-013	0.25			.F.	1.00	100.00	1.00
Selenium	40	SB-008-014	0.24			.F.	1.00	100.00	1.00
Silver	35	SB-021-011	0.86			.F.	5.00	500.00	5.00
Silver	35	SB-031-013	0.65			.F.	5.00	500.00	5.00
Silver	40	SB-008-014	0.77			.F.	5.00	500.00	5.00
Sodium	35	SB-021-011	325.00			.F.	---	---	---
Sodium	35	SB-031-013	88.70			.F.	---	---	---
Sodium	40	SB-008-014	109.00			.F.	---	---	---
Thallium	35	SB-021-011	11.00			.F.	7.00	700.00	---
Thallium	35	SB-031-013	8.21			.F.	7.00	700.00	---
Thallium	40	SB-008-014	9.77			.F.	7.00	700.00	---
Vanadium	35	SB-021-011	42.40			.F.	24.00	2400.00	---
Vanadium	35	SB-031-013	13.40			.F.	24.00	2400.00	---
Vanadium	40	SB-008-014	10.20			.F.	24.00	2400.00	---
Zinc	35	SB-021-011	288.00			.F.	250.00	5000.00	---
Zinc	35	SB-031-013	22.80			.F.	250.00	5000.00	---
Zinc	40	SB-008-014	23.30			.F.	250.00	5000.00	---
** SEMI-VOLATILES									
2-Methylnaphthalene	35	SB-021-010	38.00	J		.F.	---	---	---
4-Nitrophenol	35	SB-031-012	80.00	J		.F.	---	---	---
Chrysene	30	SB-031-010	88.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-031-001	900.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-031-004	460.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-008-007	110.00	J		.F.	---	---	---
Di-n-butylphthalate	20	SB-031-007	380.00	BJ		.F.	---	---	---
Di-n-butylphthalate	30	SB-031-010	680.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-031-012	570.00			.F.	---	---	---
Fluorene	30	SB-031-010	260.00	J		.F.	---	---	---
Fluorene	35	SB-031-012	190.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	30	SB-031-010	90.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-008-001	70.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-031-001	28000.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-031-004	360.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-031-007	280.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-031-010	200.00	BJ		.F.	---	---	---
** VOLATILES									
2-Butanone	10	SB-031-004	22.00			.F.	---	---	---
2-Butanone	20	SB-031-007	18.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
4-Methyl-2-Pentanone	10	SB-031-004	1.00	J		.F.	---	---	---
Acetone	0	SB-008-001	34.00	B		.F.	---	---	---
Acetone	5	SB-021-001	22.00	B		.F.	---	---	---
Acetone	5	SB-031-001	9.00	BJ		.F.	---	---	---
Acetone	10	SB-008-004	22.00	B		.F.	---	---	---
Acetone	10	SB-021-004	19.00	B		.F.	---	---	---
Acetone	10	SB-031-004	13.00	B		.F.	---	---	---
Acetone	20	SB-008-007	21.00	B		.F.	---	---	---
Acetone	20	SB-021-007	23.00	B		.F.	---	---	---
Acetone	20	SB-031-007	16.00	B		.F.	---	---	---
Acetone	30	SB-008-010	13.00	B		.F.	---	---	---
Acetone	30	SB-031-010	14.00			.F.	---	---	---
Acetone	35	SB-021-010	120.00			.F.	---	---	---
Acetone	40	SB-008-013	87.00			.F.	---	---	---
Chloroform	0	SB-008-001	1.00	BJ		.F.	---	---	---
Chloroform	10	SB-021-004	1.00	J		.F.	---	---	---
Chloroform	20	SB-021-007	1.00	J		.F.	---	---	---
Methylene Chloride	0	SB-008-001	19.00	B		.F.	---	---	---
Methylene Chloride	5	SB-021-001	9.00	B		.F.	---	---	---
Methylene Chloride	10	SB-008-004	14.00	B		.F.	---	---	---
Methylene Chloride	10	SB-021-004	13.00	B		.F.	---	---	---
Methylene Chloride	20	SB-008-007	19.00	B		.F.	---	---	---
Methylene Chloride	20	SB-021-007	10.00	B		.F.	---	---	---
Methylene Chloride	30	SB-008-010	28.00	B		.F.	---	---	---
Methylene Chloride	30	SB-031-010	9.00			.F.	---	---	---
Methylene Chloride	35	SB-021-010	11.00	B		.F.	---	---	---
Methylene Chloride	40	SB-008-013	6.00	B		.F.	---	---	---
Toluene	5	SB-031-001	3.00	J		.F.	---	---	---
Toluene	10	SB-031-004	2.00	J		.F.	---	---	---
Toluene	20	SB-031-007	65.00			.F.	---	---	---
Toluene	35	SB-031-012	47.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-092-011	18000.00			.F.	---	---	---
Aluminum	35	SB-092-012	14400.00			.F.	---	---	---
Antimony	35	SB-092-011	2.60			.F.	15.00	500.00	---
Antimony	35	SB-092-012	3.60			.F.	15.00	500.00	---
Arsenic	35	SB-092-011	17.80			.F.	5.00	500.00	5.00
Arsenic	35	SB-092-012	17.00			.F.	5.00	500.00	5.00
Barium	35	SB-092-011	223.00			.F.	100.00	10000.00	100.00
Barium	35	SB-092-012	165.00			.F.	100.00	10000.00	100.00
Beryllium	35	SB-092-011	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-092-012	0.23			.F.	0.75	75.00	---
Cadmium	35	SB-092-011	0.82			.F.	1.00	100.00	1.00
Cadmium	35	SB-092-012	0.39			.F.	1.00	100.00	1.00
Calcium	35	SB-092-011	7160.00			.F.	---	---	---
Calcium	35	SB-092-012	13400.00			.F.	---	---	---
Chromium	35	SB-092-011	27.10			.F.	560.00	2500.00	5.00
Chromium	35	SB-092-012	25.00			.F.	560.00	2500.00	5.00
Cobalt	35	SB-092-011	17.90			.F.	80.00	8000.00	---
Cobalt	35	SB-092-012	12.90			.F.	80.00	8000.00	---
Copper	35	SB-092-011	37.40			.F.	25.00	2500.00	---
Copper	35	SB-092-012	35.60			.F.	25.00	2500.00	---
Iron	35	SB-092-011	28800.00			.F.	---	---	---
Iron	35	SB-092-012	24800.00			.F.	---	---	---
Lead	35	SB-092-011	8.84			.F.	5.00	1000.00	5.00
Lead	35	SB-092-012	7.60			.F.	5.00	1000.00	5.00
Magnesium	35	SB-092-011	10300.00			.F.	---	---	---
Magnesium	35	SB-092-012	9240.00			.F.	---	---	---
Manganese	35	SB-092-011	921.00			.F.	---	---	---
Manganese	35	SB-092-012	447.00			.F.	---	---	---
Mercury	35	SB-092-011	0.10			.F.	0.20	20.00	0.20
Mercury	35	SB-092-012	0.05			.F.	0.20	20.00	0.20
Molybdenum	35	SB-092-011	0.59			.F.	350.00	3500.00	---
Molybdenum	35	SB-092-012	0.86			.F.	350.00	3500.00	---
Nickel	35	SB-092-011	26.40			.F.	20.00	2000.00	---
Nickel	35	SB-092-012	20.10			.F.	20.00	2000.00	---
Potassium	35	SB-092-011	4640.00			.F.	---	---	---
Potassium	35	SB-092-012	4250.00			.F.	---	---	---
Selenium	35	SB-092-011	0.22			.F.	1.00	100.00	1.00
Selenium	35	SB-092-012	0.20			.F.	1.00	100.00	1.00
Silver	35	SB-092-011	0.82			.F.	5.00	500.00	5.00
Silver	35	SB-092-012	1.03			.F.	5.00	500.00	5.00
Sodium	35	SB-092-011	331.00			.F.	---	---	---
Sodium	35	SB-092-012	305.00			.F.	---	---	---
Thallium	35	SB-092-011	10.50			.F.	7.00	700.00	---
Thallium	35	SB-092-012	13.00			.F.	7.00	700.00	---
Vanadium	35	SB-092-011	55.60			.F.	24.00	2400.00	---
Vanadium	35	SB-092-012	48.30			.F.	24.00	2400.00	---
Zinc	35	SB-092-011	76.20			.F.	250.00	5000.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Zinc	35	SB-092-012	71.40			.F.	250.00	5000.00	---
** SEMI-VOLATILES									
4-Nitrophenol	0	SB-092-001	640.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-092-001	76.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-092-004	48.00	B		.F.	---	---	---
Di-n-butylphthalate	20	SB-092-007	75.00	B		.F.	---	---	---
Pentachlorophenol	0	SB-092-001	220.00			.F.	---	---	---
Pyrene	0	SB-092-001	59.00			.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-092-001	3.00			.F.	---	---	---
2-Butanone	10	SB-092-004	4.00			.F.	---	---	---
Acetone	0	SB-092-001	29.00	B		.F.	---	---	---
Acetone	10	SB-092-004	20.00	B		.F.	---	---	---
Acetone	20	SB-092-007	51.00	B		.F.	---	---	---
Ethylbenzene	0	SB-092-001	3.00	B		.F.	---	---	---
Methylene Chloride	0	SB-092-001	19.00	B		.F.	---	---	---
Methylene Chloride	10	SB-092-004	9.00	B		.F.	---	---	---
Methylene Chloride	20	SB-092-007	24.00	B		.F.	---	---	---
Methylene Chloride	35	SB-092-010	10.00			.F.	---	---	---
Methylene Chloride	35	SB-092-013	13.00			.F.	---	---	---
Toluene	0	SB-092-001	190.00	B		.F.	---	---	---
Toluene	10	SB-092-004	23.00	B		.F.	---	---	---
Toluene	20	SB-092-007	39.00	B		.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-063-014	20100.00			.F.	---	---	---
Aluminum	35	SB-081-013	26100.00			.F.	---	---	---
Antimony	35	SB-063-014	2.80			.F.	15.00	500.00	---
Antimony	35	SB-081-013	5.20			.F.	15.00	500.00	---
Arsenic	35	SB-063-014	1.08			.F.	5.00	500.00	5.00
Arsenic	35	SB-081-013	18.00			.F.	5.00	500.00	5.00
Barium	35	SB-063-014	186.00			.F.	100.00	10000.00	100.00
Barium	35	SB-081-013	232.00			.F.	100.00	10000.00	100.00
Beryllium	35	SB-063-014	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-081-013	0.22			.F.	0.75	75.00	---
Cadmium	35	SB-063-014	0.32			.F.	1.00	100.00	1.00
Cadmium	35	SB-081-013	0.34			.F.	1.00	100.00	1.00
Calcium	35	SB-063-014	8700.00			.F.	---	---	---
Calcium	35	SB-081-013	24000.00			.F.	---	---	---
Chromium	35	SB-063-014	32.90			.F.	560.00	2500.00	5.00
Chromium	35	SB-081-013	37.20			.F.	560.00	2500.00	5.00
Cobalt	35	SB-063-014	15.50			.F.	80.00	8000.00	---
Cobalt	35	SB-081-013	17.50			.F.	80.00	8000.00	---
Copper	35	SB-063-014	35.90			.F.	25.00	2500.00	---
Copper	35	SB-081-013	45.70			.F.	25.00	2500.00	---
Iron	35	SB-063-014	26500.00			.F.	---	---	---
Iron	35	SB-081-013	34800.00			.F.	---	---	---
Lead	35	SB-063-014	8.89			.F.	5.00	1000.00	5.00
Lead	35	SB-081-013	10.50			.F.	5.00	1000.00	5.00
Magnesium	35	SB-063-014	11300.00			.F.	---	---	---
Magnesium	35	SB-081-013	13200.00			.F.	---	---	---
Manganese	35	SB-063-014	439.00			.F.	---	---	---
Manganese	35	SB-081-013	461.00			.F.	---	---	---
Mercury	35	SB-063-014	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-081-013	0.14			.F.	0.20	20.00	0.20
Molybdenum	35	SB-063-014	0.60			.F.	350.00	3500.00	---
Molybdenum	35	SB-081-013	0.60			.F.	350.00	3500.00	---
Nickel	35	SB-063-014	25.40			.F.	20.00	2000.00	---
Nickel	35	SB-081-013	31.50			.F.	20.00	2000.00	---
Potassium	35	SB-063-014	5380.00			.F.	---	---	---
Potassium	35	SB-081-013	4430.00			.F.	---	---	---
Selenium	35	SB-063-014	0.30			.F.	1.00	100.00	1.00
Selenium	35	SB-081-013	0.30			.F.	1.00	100.00	1.00
Silver	35	SB-063-014	0.88			.F.	5.00	500.00	5.00
Silver	35	SB-081-013	0.98			.F.	5.00	500.00	5.00
Sodium	35	SB-063-014	393.00			.F.	---	---	---
Sodium	35	SB-081-013	395.00			.F.	---	---	---
Thallium	35	SB-063-014	11.20			.F.	7.00	700.00	---
Thallium	35	SB-081-013	12.50			.F.	7.00	700.00	---
Vanadium	35	SB-063-014	41.70			.F.	24.00	2400.00	---
Vanadium	35	SB-081-013	71.10			.F.	24.00	2400.00	---
Zinc	35	SB-063-014	84.60			.F.	250.00	5000.00	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Zinc	35	SB-081-013	91.00			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDD	0	SB-063-001	9.10	J		.F.	---	---	---
4,4'-DDE	0	SB-063-001	7.30	J		.F.	---	---	---
4,4'-DDE	20	SB-063-009	8.90	J		.F.	---	---	---
Endrin	20	SB-081-009	1.30	J		.F.	---	---	---
gamma-Chlordane	0	SB-063-001	1.70	J		.F.	---	---	---
gamma-Chlordane	20	SB-063-009	2.70	J		.F.	---	---	---
** SEMI-VOLATILES									
Di-n-butylphthalate	0	SB-063-001	220.00	BJ		.F.	---	---	---
Di-n-butylphthalate	0	SB-063-004	820.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-081-001	320.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-063-005	250.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-063-008	380.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-081-005	260.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-063-009	240.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-063-012	500.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-081-009	300.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-063-013	530.00	B		.F.	---	---	---
Di-n-octylphthalate	20	SB-063-012	91.00	J		.F.	---	---	---
Fluoranthene	0	SB-063-001	96.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-063-001	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-063-004	240.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-081-001	170.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-063-005	480.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-063-008	320.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-081-005	900.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-063-009	330.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-063-012	360.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-081-009	210.00	BJ		.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-063-001	12.00			.F.	---	---	---
2-Butanone	0	SB-063-004	8.00	J		.F.	---	---	---
2-Butanone	10	SB-063-005	18.00			.F.	---	---	---
2-Butanone	10	SB-063-008	29.00			.F.	---	---	---
2-Butanone	10	SB-082-001	26.00	B		.F.	---	---	---
2-Butanone	10	SB-082-004	20.00	B		.F.	---	---	---
2-Butanone	20	SB-063-012	31.00			.F.	---	---	---
2-Butanone	20	SB-081-009	8.00	J		.F.	---	---	---
2-Butanone	20	SB-082-005	13.00	B		.F.	---	---	---
2-Butanone	25	SB-082-009	27.00	B		.F.	---	---	---
2-Butanone	25	SB-082-012	22.00	B		.F.	---	---	---
2-Butanone	30	SB-082-013	29.00	B		.F.	---	---	---
2-Butanone	30	SB-082-016	21.00	B		.F.	---	---	---
2-Butanone	35	SB-082-017	24.00	B		.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Butanone	40	SB-082-020	17.00	B		.F.	---	---	---
Acetone	0	SB-063-001	22.00			.F.	---	---	---
Acetone	0	SB-063-004	24.00			.F.	---	---	---
Acetone	10	SB-063-005	15.00	B		.F.	---	---	---
Acetone	10	SB-063-008	19.00	B		.F.	---	---	---
Acetone	10	SB-081-005	18.00	B		.F.	---	---	---
Acetone	10	SB-082-001	230.00	B		.F.	---	---	---
Acetone	10	SB-082-004	130.00	B		.F.	---	---	---
Acetone	20	SB-063-009	22.00	B		.F.	---	---	---
Acetone	20	SB-063-012	9.00	BJ		.F.	---	---	---
Acetone	20	SB-081-009	15.00	B		.F.	---	---	---
Acetone	20	SB-082-005	120.00	B		.F.	---	---	---
Acetone	25	SB-082-009	140.00	B		.F.	---	---	---
Acetone	25	SB-082-012	34.00	B		.F.	---	---	---
Acetone	30	SB-082-013	34.00	B		.F.	---	---	---
Acetone	30	SB-082-016	62.00	B		.F.	---	---	---
Acetone	35	SB-082-017	99.00	B		.F.	---	---	---
Acetone	40	SB-082-020	66.00	B		.F.	---	---	---
Benzene	10	SB-082-001	10.00			.F.	---	---	---
Benzene	10	SB-082-004	5.00	J		.F.	---	---	---
Benzene	20	SB-082-005	2.00	J		.F.	---	---	---
Benzene	25	SB-082-009	2.00	J		.F.	---	---	---
Benzene	30	SB-082-013	2.00	J		.F.	---	---	---
Methylene Chloride	0	SB-081-001	6.00			.F.	---	---	---
Methylene Chloride	10	SB-063-005	3.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-063-008	2.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-081-005	2.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-082-001	170.00	B		.F.	---	---	---
Methylene Chloride	10	SB-082-004	89.00	B		.F.	---	---	---
Methylene Chloride	20	SB-063-009	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-063-012	3.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-081-009	4.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-082-005	62.00	B		.F.	---	---	---
Methylene Chloride	25	SB-082-009	52.00	B		.F.	---	---	---
Methylene Chloride	25	SB-082-012	19.00	B		.F.	---	---	---
Methylene Chloride	30	SB-082-013	40.00	B		.F.	---	---	---
Methylene Chloride	30	SB-082-016	52.00	B		.F.	---	---	---
Methylene Chloride	35	SB-082-017	110.00	B		.F.	---	---	---
Methylene Chloride	40	SB-082-020	120.00	B		.F.	---	---	---
Toluene	0	SB-063-001	29.00			.F.	---	---	---
Toluene	0	SB-063-004	3.00	J		.F.	---	---	---
Toluene	0	SB-081-001	2.00	J		.F.	---	---	---
Toluene	10	SB-082-001	190.00			.F.	---	---	---
Toluene	10	SB-082-004	89.00			.F.	---	---	---
Toluene	20	SB-063-012	3.00	J		.F.	---	---	---
Toluene	20	SB-081-009	8.00			.F.	---	---	---
Toluene	20	SB-082-005	21.00			.F.	---	---	---
Toluene	25	SB-082-009	18.00			.F.	---	---	---

TABLE 4-7 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Toluene	25	SB-082-012	5.00	J		.F.	---	---	---
Toluene	30	SB-082-013	68.00			.F.	---	---	---
Toluene	30	SB-082-016	5.00	J		.F.	---	---	---
Toluene	40	SB-082-020	2.00	J		.F.	---	---	---

TABLE 4-8

CHEMICAL CHARACTERISTICS - AREA 2
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	15	SB-011-002	18800.00			.F.	---	---	---
Aluminum	25	SB-011-008	5400.00			.F.	---	---	---
Antimony	15	SB-011-002	2.80			.F.	15.00	500.00	---
Antimony	25	SB-011-008	2.60			.F.	15.00	500.00	---
Arsenic	15	SB-011-002	3.12			.F.	5.00	500.00	5.00
Arsenic	25	SB-011-008	3.16			.F.	5.00	500.00	5.00
Barium	15	SB-011-002	150.00			.F.	100.00	10000.00	100.00
Barium	25	SB-011-008	59.30			.F.	100.00	10000.00	100.00
Beryllium	15	SB-011-002	0.20			.F.	0.75	75.00	---
Beryllium	25	SB-011-008	0.19			.F.	0.75	75.00	---
Cadmium	15	SB-011-002	0.49			.F.	1.00	100.00	1.00
Cadmium	25	SB-011-008	0.24			.F.	1.00	100.00	1.00
Calcium	15	SB-011-002	3330.00			.F.	---	---	---
Calcium	25	SB-011-008	1730.00			.F.	---	---	---
Chromium	15	SB-011-002	26.50			.F.	560.00	2500.00	5.00
Chromium	25	SB-011-008	11.00			.F.	560.00	2500.00	5.00
Cobalt	15	SB-011-002	14.30			.F.	80.00	8000.00	---
Cobalt	25	SB-011-008	6.67			.F.	80.00	8000.00	---
Copper	15	SB-011-002	18.30			.F.	25.00	2500.00	---
Copper	25	SB-011-008	7.79			.F.	25.00	2500.00	---
Iron	15	SB-011-002	22800.00			.F.	---	---	---
Iron	25	SB-011-008	8260.00			.F.	---	---	---
Lead	15	SB-011-002	9.11			.F.	5.00	1000.00	5.00
Lead	25	SB-011-008	3.50			.F.	5.00	1000.00	5.00
Magnesium	15	SB-011-002	5120.00			.F.	---	---	---
Magnesium	25	SB-011-008	1970.00			.F.	---	---	---
Manganese	15	SB-011-002	511.00			.F.	---	---	---
Manganese	25	SB-011-008	119.00			.F.	---	---	---
Mercury	15	SB-011-002	0.06			.F.	0.20	20.00	0.20
Mercury	25	SB-011-008	0.12			.F.	0.20	20.00	0.20
Molybdenum	15	SB-011-002	0.28			.F.	350.00	3500.00	---
Molybdenum	25	SB-011-008	0.23			.F.	350.00	3500.00	---
Nickel	15	SB-011-002	15.80			.F.	20.00	2000.00	---
Nickel	25	SB-011-008	5.74			.F.	20.00	2000.00	---
Potassium	15	SB-011-002	3100.00			.F.	---	---	---
Potassium	25	SB-011-008	1310.00			.F.	---	---	---
Selenium	15	SB-011-002	0.29			.F.	1.00	100.00	1.00
Selenium	25	SB-011-008	0.24			.F.	1.00	100.00	1.00
Silver	15	SB-011-002	0.88			.F.	5.00	500.00	5.00
Silver	25	SB-011-008	0.82			.F.	5.00	500.00	5.00
Sodium	15	SB-011-002	445.00			.F.	---	---	---
Sodium	25	SB-011-008	266.00			.F.	---	---	---
Thallium	15	SB-011-002	11.20			.F.	7.00	700.00	---
Thallium	25	SB-011-008	10.40			.F.	7.00	700.00	---
Vanadium	15	SB-011-002	51.30			.F.	24.00	2400.00	---
Vanadium	25	SB-011-008	19.60			.F.	24.00	2400.00	---
Zinc	15	SB-011-002	60.50			.F.	250.00	5000.00	---

TABLE 4-8 (Continued)

(N CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLC LIMIT	WASTE LIMIT
Zinc	25	SB-011-008	27.70			.F.	250.00	5000.00	---
** PESTICIDES									
Aroclor-1254	20	SB-010-001	55.00	J		.F.	---	---	---
** SEMI-VOLATILES									
2-Methylnaphthalene	20	SB-010-001	150.00	J		.F.	---	---	---
2-Methylnaphthalene	20	SB-010-001	140.00	J		.F.	---	---	---
Benzo(a)pyrene	20	SB-010-001	190.00	J		.F.	---	---	---
Butylbenzylphthalate	20	SB-010-001	810.00			.F.	---	---	---
Chrysene	20	SB-010-001	250.00	J		.F.	---	---	---
Di-n-octylphthalate	25	SB-010-004	43.00	J		.F.	---	---	---
Pyrene	25	SB-010-004	45.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-011-001	58.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-010-004	140.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-011-007	58.00	J		.F.	---	---	---
** VOLATILES									
1,1,1-Trichloroethane	35	SB-010-007	3.00	J		.F.	---	---	---
1,1,1-Trichloroethane	35	SB-011-013	6.00	J		.F.	---	---	---
2-Butanone	25	SB-011-007	140.00			.F.	---	---	---
Acetone	15	SB-011-001	37.00			.F.	---	---	---
Acetone	25	SB-010-004	20.00			.F.	---	---	---
Acetone	25	SB-011-007	37.00			.F.	---	---	---
Acetone	35	SB-011-013	180.00	B		.F.	---	---	---
Chloroform	15	SB-011-001	2.00	J		.F.	---	---	---
Methylene Chloride	15	SB-011-001	19.00	B		.F.	---	---	---
Methylene Chloride	25	SB-010-004	7.00	J		.F.	---	---	---
Methylene Chloride	25	SB-011-007	20.00	B		.F.	---	---	---
Methylene Chloride	35	SB-010-007	21.00	BJ		.F.	---	---	---
Methylene Chloride	35	SB-011-013	63.00	B		.F.	---	---	---
Toluene	35	SB-011-013	4.00	J		.F.	---	---	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	0	SB-018-002	11600.00			.T.	---	---	---
Aluminum	0	SB-019-002	12100.00			.T.	---	---	---
Aluminum	15	SB-017-007	22700.00			.F.	---	---	---
Aluminum	15	SB-018-005	13200.00			.F.	---	---	---
Aluminum	15	SB-019-005	20000.00			.F.	---	---	---
Aluminum	15	SB-040-008	21500.00			.F.	---	---	---
Aluminum	35	SB-018-011	4090.00			.F.	---	---	---
Aluminum	35	SB-019-011	5890.00			.F.	---	---	---
Aluminum	35	SB-020-012	6690.00			.F.	---	---	---
Aluminum	35	SB-040-016	8610.00			.F.	---	---	---
Antimony	15	SB-017-007	3.10			.F.	15.00	500.00	---
Antimony	15	SB-018-005	3.70			.F.	15.00	500.00	---
Antimony	15	SB-019-005	2.40			.F.	15.00	500.00	---
Antimony	15	SB-040-008	2.80			.F.	15.00	500.00	---
Antimony	35	SB-018-011	2.60			.F.	15.00	500.00	---
Antimony	35	SB-019-011	2.70			.F.	15.00	500.00	---
Antimony	35	SB-020-012	2.60			.F.	15.00	500.00	---
Antimony	35	SB-040-016	4.80			.F.	15.00	500.00	---
Arsenic	0	SB-018-002	6.90			.T.	5.00	500.00	5.00
Arsenic	0	SB-019-002	9.50			.T.	5.00	500.00	5.00
Arsenic	15	SB-017-007	17.30			.F.	5.00	500.00	5.00
Arsenic	15	SB-018-005	6.22			.F.	5.00	500.00	5.00
Arsenic	15	SB-019-005	3.52			.F.	5.00	500.00	5.00
Arsenic	15	SB-040-008	4.07			.F.	5.00	500.00	5.00
Arsenic	35	SB-018-011	1.49			.F.	5.00	500.00	5.00
Arsenic	35	SB-019-011	2.46			.F.	5.00	500.00	5.00
Arsenic	35	SB-020-012	3.50			.F.	5.00	500.00	5.00
Arsenic	35	SB-040-016	4.45			.F.	5.00	500.00	5.00
Barium	0	SB-018-002	137.00			.T.	100.00	10000.00	100.00
Barium	0	SB-019-002	154.00			.T.	100.00	10000.00	100.00
Barium	15	SB-017-007	333.00			.F.	100.00	10000.00	100.00
Barium	15	SB-018-005	3790.00			.F.	100.00	10000.00	100.00
Barium	15	SB-019-005	153.00			.F.	100.00	10000.00	100.00
Barium	15	SB-040-008	171.00			.F.	100.00	10000.00	100.00
Barium	35	SB-018-011	46.70			.F.	100.00	10000.00	100.00
Barium	35	SB-019-011	87.10			.F.	100.00	10000.00	100.00
Barium	35	SB-020-012	64.20			.F.	100.00	10000.00	100.00
Barium	35	SB-040-016	95.40			.F.	100.00	10000.00	100.00
Beryllium	0	SB-018-002	0.57	L	J	.T.	0.75	75.00	---
Beryllium	0	SB-019-002	0.80	L	J	.T.	0.75	75.00	---
Beryllium	15	SB-017-007	0.23			.F.	0.75	75.00	---
Beryllium	15	SB-018-005	0.26			.F.	0.75	75.00	---
Beryllium	15	SB-019-005	0.17			.F.	0.75	75.00	---
Beryllium	15	SB-040-008	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-018-011	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-019-011	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-020-012	0.19			.F.	0.75	75.00	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Beryllium	35	SB-040-016	0.38			.F.	0.75	75.00	---
Cadmium	0	SB-018-002	1.10			.T.	1.00	100.00	1.00
Cadmium	0	SB-019-002	1.30			.T.	1.00	100.00	1.00
Cadmium	15	SB-017-007	0.97			.F.	1.00	100.00	1.00
Cadmium	15	SB-018-005	1.03			.F.	1.00	100.00	1.00
Cadmium	15	SB-019-005	0.60			.F.	1.00	100.00	1.00
Cadmium	15	SB-040-008	1.19			.F.	1.00	100.00	1.00
Cadmium	35	SB-018-011	0.37			.F.	1.00	100.00	1.00
Cadmium	35	SB-019-011	0.27			.F.	1.00	100.00	1.00
Cadmium	35	SB-020-012	0.39			.F.	1.00	100.00	1.00
Cadmium	35	SB-040-016	0.32			.F.	1.00	100.00	1.00
Calcium	0	SB-018-002	5680.00			.T.	---	---	---
Calcium	0	SB-019-002	9210.00			.T.	---	---	---
Calcium	15	SB-017-007	8100.00			.F.	---	---	---
Calcium	15	SB-018-005	22000.00			.F.	---	---	---
Calcium	15	SB-019-005	2890.00			.F.	---	---	---
Calcium	15	SB-040-008	2950.00			.F.	---	---	---
Calcium	35	SB-018-011	1960.00			.F.	---	---	---
Calcium	35	SB-019-011	2540.00			.F.	---	---	---
Calcium	35	SB-020-012	2810.00			.F.	---	---	---
Calcium	35	SB-040-016	3740.00			.F.	---	---	---
Chromium	0	SB-018-002	21.40			.T.	560.00	2500.00	5.00
Chromium	0	SB-019-002	23.70			.T.	560.00	2500.00	5.00
Chromium	15	SB-017-007	37.20			.F.	560.00	2500.00	5.00
Chromium	15	SB-018-005	29.90			.F.	560.00	2500.00	5.00
Chromium	15	SB-019-005	27.30			.F.	560.00	2500.00	5.00
Chromium	15	SB-040-008	30.00			.F.	560.00	2500.00	5.00
Chromium	35	SB-018-011	8.96			.F.	560.00	2500.00	5.00
Chromium	35	SB-019-011	9.53			.F.	560.00	2500.00	5.00
Chromium	35	SB-020-012	11.60			.F.	560.00	2500.00	5.00
Chromium	35	SB-040-016	20.00			.F.	560.00	2500.00	5.00
Cobalt	0	SB-018-002	10.70			.T.	80.00	8000.00	---
Cobalt	0	SB-019-002	10.10			.T.	80.00	8000.00	---
Cobalt	15	SB-017-007	14.80			.F.	80.00	8000.00	---
Cobalt	15	SB-018-005	12.60			.F.	80.00	8000.00	---
Cobalt	15	SB-019-005	12.10			.F.	80.00	8000.00	---
Cobalt	15	SB-040-008	14.80			.F.	80.00	8000.00	---
Cobalt	35	SB-018-011	3.46			.F.	80.00	8000.00	---
Cobalt	35	SB-019-011	4.97			.F.	80.00	8000.00	---
Cobalt	35	SB-020-012	6.18			.F.	80.00	8000.00	---
Cobalt	35	SB-040-016	8.19			.F.	80.00	8000.00	---
Copper	0	SB-018-002	26.00		J	.T.	25.00	2500.00	---
Copper	0	SB-019-002	30.90		J	.T.	25.00	2500.00	---
Copper	15	SB-017-007	40.90			.F.	25.00	2500.00	---
Copper	15	SB-018-005	21.50			.F.	25.00	2500.00	---
Copper	15	SB-019-005	19.30			.F.	25.00	2500.00	---
Copper	15	SB-040-008	24.00			.F.	25.00	2500.00	---
Copper	35	SB-018-011	4.67			.F.	25.00	2500.00	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Copper	35	SB-019-011	8.64			.F.	25.00	2500.00	---
Copper	35	SB-020-012	10.50			.F.	25.00	2500.00	---
Copper	35	SB-040-016	15.60			.F.	25.00	2500.00	---
Iron	0	SB-018-002	23200.00			.T.	---	---	---
Iron	0	SB-019-002	22400.00			.T.	---	---	---
Iron	15	SB-017-007	31300.00			.F.	---	---	---
Iron	15	SB-018-005	23100.00			.F.	---	---	---
Iron	15	SB-019-005	24600.00			.F.	---	---	---
Iron	15	SB-040-008	27100.00			.F.	---	---	---
Iron	35	SB-018-011	7670.00			.F.	---	---	---
Iron	35	SB-019-011	11400.00			.F.	---	---	---
Iron	35	SB-020-012	12700.00			.F.	---	---	---
Iron	35	SB-040-016	16500.00			.F.	---	---	---
Lead	0	SB-018-002	10.60			.T.	5.00	1000.00	5.00
Lead	0	SB-019-002	98.00			.T.	5.00	1000.00	5.00
Lead	15	SB-017-007	502.00			.F.	5.00	1000.00	5.00
Lead	15	SB-018-005	55.20			.F.	5.00	1000.00	5.00
Lead	15	SB-019-005	5.09			.F.	5.00	1000.00	5.00
Lead	15	SB-040-008	7.65			.F.	5.00	1000.00	5.00
Lead	35	SB-018-011	3.12			.F.	5.00	1000.00	5.00
Lead	35	SB-019-011	3.32			.F.	5.00	1000.00	5.00
Lead	35	SB-020-012	6.88			.F.	5.00	1000.00	5.00
Lead	35	SB-040-016	5.30			.F.	5.00	1000.00	5.00
Magnesium	0	SB-018-002	5810.00			.T.	---	---	---
Magnesium	0	SB-019-002	6090.00			.T.	---	---	---
Magnesium	15	SB-017-007	8340.00			.F.	---	---	---
Magnesium	15	SB-018-005	9370.00			.F.	---	---	---
Magnesium	15	SB-019-005	5830.00			.F.	---	---	---
Magnesium	15	SB-040-008	6220.00			.F.	---	---	---
Magnesium	35	SB-018-011	2120.00			.F.	---	---	---
Magnesium	35	SB-019-011	3190.00			.F.	---	---	---
Magnesium	35	SB-020-012	3760.00			.F.	---	---	---
Magnesium	35	SB-040-016	4520.00			.F.	---	---	---
Manganese	0	SB-018-002	371.00			.T.	---	---	---
Manganese	0	SB-019-002	374.00			.T.	---	---	---
Manganese	15	SB-017-007	389.00			.F.	---	---	---
Manganese	15	SB-018-005	357.00			.F.	---	---	---
Manganese	15	SB-019-005	497.00			.F.	---	---	---
Manganese	15	SB-040-008	586.00			.F.	---	---	---
Manganese	35	SB-018-011	130.00			.F.	---	---	---
Manganese	35	SB-019-011	150.00			.F.	---	---	---
Manganese	35	SB-020-012	186.00			.F.	---	---	---
Manganese	35	SB-040-016	180.00			.F.	---	---	---
Mercury	0	SB-019-002	0.10		J	.T.	0.20	20.00	0.20
Mercury	15	SB-017-007	0.14			.F.	0.20	20.00	0.20
Mercury	15	SB-018-005	0.03			.F.	0.20	20.00	0.20
Mercury	15	SB-019-005	0.02			.F.	0.20	20.00	0.20
Mercury	15	SB-040-008	0.02			.F.	0.20	20.00	0.20

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Mercury	35	SB-018-011	0.10			.F.	0.20	20.00	0.20
Mercury	35	SB-019-011	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-020-012	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-040-016	0.19			.F.	0.20	20.00	0.20
Molybdenum	15	SB-017-007	2.03			.F.	350.00	3500.00	---
Molybdenum	15	SB-018-005	2.99			.F.	350.00	3500.00	---
Molybdenum	15	SB-019-005	0.51			.F.	350.00	3500.00	---
Molybdenum	15	SB-040-008	0.51			.F.	350.00	3500.00	---
Molybdenum	35	SB-018-011	0.49			.F.	350.00	3500.00	---
Molybdenum	35	SB-019-011	0.51			.F.	350.00	3500.00	---
Molybdenum	35	SB-020-012	0.49			.F.	350.00	3500.00	---
Molybdenum	35	SB-040-016	0.46			.F.	350.00	3500.00	---
Nickel	0	SB-018-002	19.40			.T.	20.00	2000.00	---
Nickel	0	SB-019-002	21.00			.T.	20.00	2000.00	---
Nickel	15	SB-017-007	32.40			.F.	20.00	2000.00	---
Nickel	15	SB-018-005	31.90			.F.	20.00	2000.00	---
Nickel	15	SB-019-005	19.20			.F.	20.00	2000.00	---
Nickel	15	SB-040-008	19.60			.F.	20.00	2000.00	---
Nickel	35	SB-018-011	5.38			.F.	20.00	2000.00	---
Nickel	35	SB-019-011	7.05			.F.	20.00	2000.00	---
Nickel	35	SB-020-012	9.19			.F.	20.00	2000.00	---
Nickel	35	SB-040-016	9.37			.F.	20.00	2000.00	---
Potassium	0	SB-018-002	3770.00			.T.	---	---	---
Potassium	0	SB-019-002	4000.00			.T.	---	---	---
Potassium	15	SB-017-007	4460.00			.F.	---	---	---
Potassium	15	SB-018-005	4480.00			.F.	---	---	---
Potassium	15	SB-019-005	3570.00			.F.	---	---	---
Potassium	15	SB-040-008	3720.00			.F.	---	---	---
Potassium	35	SB-018-011	865.00			.F.	---	---	---
Potassium	35	SB-019-011	1550.00			.F.	---	---	---
Potassium	35	SB-020-012	1860.00			.F.	---	---	---
Potassium	35	SB-040-016	2130.00			.F.	---	---	---
Selenium	15	SB-017-007	0.26			.F.	1.00	100.00	1.00
Selenium	15	SB-018-005	0.75			.F.	1.00	100.00	1.00
Selenium	15	SB-019-005	0.25			.F.	1.00	100.00	1.00
Selenium	15	SB-040-008	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-018-011	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-019-011	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-020-012	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-040-016	0.23			.F.	1.00	100.00	1.00
Silver	15	SB-017-007	0.99			.F.	5.00	500.00	5.00
Silver	15	SB-018-005	1.16			.F.	5.00	500.00	5.00
Silver	15	SB-019-005	0.74			.F.	5.00	500.00	5.00
Silver	15	SB-040-008	0.88			.F.	5.00	500.00	5.00
Silver	35	SB-018-011	0.81			.F.	5.00	500.00	5.00
Silver	35	SB-019-011	0.86			.F.	5.00	500.00	5.00
Silver	35	SB-020-012	0.83			.F.	5.00	500.00	5.00
Silver	35	SB-040-016	0.52			.F.	5.00	500.00	5.00

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Sodium	0	SB-018-002	191.00	L	J	.T.	---	---	---
Sodium	0	SB-019-002	210.00	L	J	.T.	---	---	---
Sodium	15	SB-017-007	1230.00			.F.	---	---	---
Sodium	15	SB-018-005	3850.00			.F.	---	---	---
Sodium	15	SB-019-005	1120.00			.F.	---	---	---
Sodium	15	SB-040-008	1990.00			.F.	---	---	---
Sodium	35	SB-018-011	177.00			.F.	---	---	---
Sodium	35	SB-019-011	186.00			.F.	---	---	---
Sodium	35	SB-020-012	177.00			.F.	---	---	---
Sodium	35	SB-040-016	363.00			.F.	---	---	---
Thallium	15	SB-017-007	12.60			.F.	7.00	700.00	---
Thallium	15	SB-018-005	14.80			.F.	7.00	700.00	---
Thallium	15	SB-019-005	9.45			.F.	7.00	700.00	---
Thallium	15	SB-040-008	11.20			.F.	7.00	700.00	---
Thallium	35	SB-018-011	10.30			.F.	7.00	700.00	---
Thallium	35	SB-019-011	11.00			.F.	7.00	700.00	---
Thallium	35	SB-020-012	10.60			.F.	7.00	700.00	---
Thallium	35	SB-040-016	23.40			.F.	7.00	700.00	---
Vanadium	0	SB-018-002	46.00			.T.	24.00	2400.00	---
Vanadium	0	SB-019-002	44.50			.T.	24.00	2400.00	---
Vanadium	15	SB-017-007	58.60			.F.	24.00	2400.00	---
Vanadium	15	SB-018-005	36.20			.F.	24.00	2400.00	---
Vanadium	15	SB-019-005	50.20			.F.	24.00	2400.00	---
Vanadium	15	SB-040-008	55.20			.F.	24.00	2400.00	---
Vanadium	35	SB-018-011	14.60			.F.	24.00	2400.00	---
Vanadium	35	SB-019-011	23.00			.F.	24.00	2400.00	---
Vanadium	35	SB-020-012	25.40			.F.	24.00	2400.00	---
Vanadium	35	SB-040-016	37.20			.F.	24.00	2400.00	---
Zinc	0	SB-018-002	60.10			.T.	250.00	5000.00	---
Zinc	0	SB-019-002	93.40			.T.	250.00	5000.00	---
Zinc	15	SB-017-007	133.00			.F.	250.00	5000.00	---
Zinc	15	SB-018-005	182.00			.F.	250.00	5000.00	---
Zinc	15	SB-019-005	61.40			.F.	250.00	5000.00	---
Zinc	15	SB-040-008	63.50			.F.	250.00	5000.00	---
Zinc	35	SB-018-011	23.70			.F.	250.00	5000.00	---
Zinc	35	SB-019-011	32.40			.F.	250.00	5000.00	---
Zinc	35	SB-020-012	37.00			.F.	250.00	5000.00	---
Zinc	35	SB-040-016	38.00			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDT	0	SB-017-001	0.00			.F.	---	---	---
4,4'-DDT	0	SB-018-001	17.00	J		.F.	---	---	---
4,4'-DDT	0	SB-020-001	12.00	J		.T.	---	---	---
4,4'-DDT	10	SB-017-004	0.00			.F.	---	---	---
Aroclor-1254	15	SB-040-010	120.00	J		.F.	---	---	---
Dieldrin	0	SB-017-001	26.00			.F.	---	---	---
Dieldrin	10	SB-017-004	19.00			.F.	---	---	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** SEMI-VOLATILES									
1,2,4-Trichlorobenzene	30	SB-017-008	98.00			.F.	---	---	---
2-Chlorophenol	30	SB-017-008	160.00			.F.	---	---	---
2-Methylnaphthalene	10	SB-040-004	110000.00			.T.	---	---	---
2-Methylnaphthalene	15	SB-017-006	7800.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-040-010	340.00	J		.F.	---	---	---
2-Methylnaphthalene	30	SB-017-008	320.00			.F.	---	---	---
4-Chloro-3-methylphenol	0	SB-017-001	110.00			.F.	---	---	---
4-Chloro-3-methylphenol	30	SB-017-008	250.00			.F.	---	---	---
4-Chloro-3-methylphenol	35	SB-017-011	87.00			.F.	---	---	---
4-Nitrophenol	30	SB-017-008	830.00			.F.	---	---	---
4-Nitrophenol	35	SB-017-011	780.00			.F.	---	---	---
Acenaphthene	30	SB-017-008	120.00			.F.	---	---	---
Benzo(k)fluoranthene	0	SB-017-001	120.00			.F.	---	---	---
Butylbenzylphthalate	0	SB-017-001	170.00			.F.	---	---	---
Chrysene	10	SB-017-004	290.00			.F.	---	---	---
Chrysene	15	SB-017-006	550.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-017-001	72.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-017-001	85.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-018-001	80.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-020-005	8600.00		J	.T.	---	---	---
Di-n-butylphthalate	5	SB-040-001	1000.00		J	.T.	---	---	---
Di-n-butylphthalate	15	SB-040-007	390.00	B		.F.	---	---	---
Di-n-butylphthalate	15	SB-040-010	390.00	B		.F.	---	---	---
Di-n-butylphthalate	30	SB-017-008	130.00	B		.F.	---	---	---
Di-n-butylphthalate	35	SB-017-011	130.00	B		.F.	---	---	---
Fluoranthene	0	SB-017-001	62.00			.F.	---	---	---
Fluoranthene	0	SB-017-001	46.00			.F.	---	---	---
Fluoranthene	10	SB-017-004	330.00			.F.	---	---	---
Fluorene	10	SB-040-004	13000.00		J	.T.	---	---	---
Fluorene	15	SB-017-006	1300.00			.F.	---	---	---
Fluorene	30	SB-017-008	67.00			.F.	---	---	---
N-Nitrosodiphenylamine	15	SB-017-006	950.00	J		.F.	---	---	---
Naphthalene	10	SB-040-004	42000.00		J	.T.	---	---	---
Naphthalene	15	SB-017-006	3300.00			.F.	---	---	---
Naphthalene	15	SB-040-010	100.00	J		.F.	---	---	---
Naphthalene	30	SB-017-008	70.00			.F.	---	---	---
Pentachlorophenol	0	SB-017-001	230.00			.F.	---	---	---
Pentachlorophenol	30	SB-017-008	220.00			.F.	---	---	---
Pentachlorophenol	35	SB-017-011	340.00			.F.	---	---	---
Phenanthrene	10	SB-040-004	25000.00		J	.T.	---	---	---
Phenanthrene	15	SB-017-006	3000.00			.F.	---	---	---
Phenanthrene	15	SB-040-010	150.00	J		.F.	---	---	---
Phenanthrene	30	SB-017-008	100.00			.F.	---	---	---
Phenol	15	SB-040-010	51.00	J		.F.	---	---	---
Picenol	30	SB-017-008	170.00	B		.F.	---	---	---
Pyrene	0	SB-017-001	170.00			.F.	---	---	---
Pyrene	0	SB-017-001	95.00			.F.	---	---	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Pyrene	10	SB-017-004	580.00			.F.	---	---	---
Pyrene	30	SB-017-008	190.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-017-001	1100.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-017-001	1200.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-018-001	91.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-017-004	4200.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-019-007	150.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-017-011	510.00	B		.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-017-001	13.00			.F.	---	---	---
2-Butanone	0	SB-019-001	27.00			.F.	---	---	---
2-Butanone	0	SB-020-001	7.00		J	.T.	---	---	---
2-Butanone	5	SB-020-005	480.00		J	.T.	---	---	---
2-Butanone	10	SB-017-004	5.00			.F.	---	---	---
2-Butanone	10	SB-017-004	12.00			.F.	---	---	---
2-Butanone	10	SB-040-004	11000.00		J	.T.	---	---	---
2-Butanone	20	SB-018-007	20.00			.F.	---	---	---
2-Butanone	20	SB-020-008	2.00	J		.F.	---	---	---
2-Butanone	20	SB-040-011	8.00		J	.T.	---	---	---
2-Butanone	30	SB-017-008	2.00			.F.	---	---	---
2-Butanone	35	SB-017-011	7.00			.F.	---	---	---
Acetone	0	SB-017-001	25.00	B		.F.	---	---	---
Acetone	0	SB-018-001	7.00	BJ		.F.	---	---	---
Acetone	0	SB-019-001	7.00	BJ		.F.	---	---	---
Acetone	10	SB-017-004	10.00	B		.F.	---	---	---
Acetone	10	SB-017-004	20.00	B		.F.	---	---	---
Acetone	15	SB-040-007	960.00	E		.F.	---	---	---
Acetone	20	SB-018-007	9.00	BJ		.F.	---	---	---
Acetone	20	SB-019-007	5.00	J		.F.	---	---	---
Acetone	20	SB-020-008	2.00	BJ		.F.	---	---	---
Acetone	30	SB-017-008	23.00	B		.F.	---	---	---
Acetone	35	SB-017-011	11.00	B		.F.	---	---	---
Benzene	10	SB-040-004	3100.00		J	.T.	---	---	---
Benzene	15	SB-017-006	6.00	J		.F.	---	---	---
Carbon Disulfide	15	SB-017-006	10.00	J		.F.	---	---	---
Ethylbenzene	0	SB-017-001	5.00	B		.F.	---	---	---
Ethylbenzene	10	SB-040-004	17000.00			.T.	---	---	---
Ethylbenzene	15	SB-017-006	120.00			.F.	---	---	---
Ethylbenzene	30	SB-017-008	5.00	B		.F.	---	---	---
Methylene Chloride	0	SB-017-001	34.00	B		.F.	---	---	---
Methylene Chloride	0	SB-018-001	6.00	B		.F.	---	---	---
Methylene Chloride	0	SB-019-001	3.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-017-004	27.00	B		.F.	---	---	---
Methylene Chloride	10	SB-017-004	26.00	B		.F.	---	---	---
Methylene Chloride	15	SB-017-006	100.00			.F.	---	---	---
Methylene Chloride	15	SB-040-007	5.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-018-007	4.00	BJ		.F.	---	---	---

TABLE 4-8 (Continued)

(NE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Methylene Chloride	20	SB-019-007	7.00			.F.	---	---	---
Methylene Chloride	20	SB-020-008	5.00	BJ		.F.	---	---	---
Methylene Chloride	30	SB-017-008	29.00	B		.F.	---	---	---
Methylene Chloride	35	SB-017-011	21.00	B		.F.	---	---	---
Toluene	0	SB-017-001	890.00	B		.F.	---	---	---
Toluene	0	SB-018-001	22.00			.F.	---	---	---
Toluene	0	SB-019-001	12.00			.F.	---	---	---
Toluene	0	SB-020-001	55.00			.T.	---	---	---
Toluene	5	SB-020-005	2600.00			.T.	---	---	---
Toluene	5	SB-040-001	320.00			.T.	---	---	---
Toluene	10	SB-017-004	680.00	B		.F.	---	---	---
Toluene	10	SB-017-004	1200.00	B		.F.	---	---	---
Toluene	10	SB-040-004	39000.00			.T.	---	---	---
Toluene	15	SB-017-006	850.00			.F.	---	---	---
Toluene	30	SB-017-008	140.00	B		.F.	---	---	---
Toluene	35	SB-017-011	220.00	B		.F.	---	---	---
Xylene (total)	10	SB-040-004	140000.00			.T.	---	---	---
Xylene (total)	15	SB-017-006	1100.00	E		.F.	---	---	---
Xylene (total)	30	SB-017-008	6.00	B		.F.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	0	SB-016-003	13200.00			.T.	---	---	---
Aluminum	0	SB-027-003	11000.00			.T.	---	---	---
Aluminum	0	SB-103-002	14600.00			.F.	---	---	---
Aluminum	5	SB-016-006	17300.00			.F.	---	---	---
Aluminum	5	SB-103-007	24600.00			.T.	---	---	---
Aluminum	10	SB-016-010	22600.00			.T.	---	---	---
Aluminum	10	SB-056-005	19300.00			.T.	---	---	---
Aluminum	10	SB-103-009	22500.00			.F.	---	---	---
Aluminum	15	SB-016-014	12900.00			.T.	---	---	---
Aluminum	15	SB-103-012	25100.00			.F.	---	---	---
Aluminum	20	SB-016-016	24400.00			.F.	---	---	---
Aluminum	20	SB-036-011	25200.00			.T.	---	---	---
Aluminum	25	SB-016-021	16500.00			.T.	---	---	---
Aluminum	25	SB-056-011	16700.00			.F.	---	---	---
Aluminum	35	SB-016-025	3790.00			.T.	---	---	---
Aluminum	35	SB-027-014	5700.00			.F.	---	---	---
Aluminum	35	SB-036-014	5980.00			.F.	---	---	---
Aluminum	35	SB-056-018	4710.00			.F.	---	---	---
Aluminum	35	SB-103-023	24700.00			.F.	---	---	---
Aluminum	40	SB-103-026	3140.00			.F.	---	---	---
Antimony	0	SB-103-002	5.50			.F.	15.00	500.00	---
Antimony	5	SB-016-006	2.70			.F.	15.00	500.00	---
Antimony	5	SB-103-007	6.40	L	J	.T.	15.00	500.00	---
Antimony	10	SB-056-005	5.30	L	J	.T.	15.00	500.00	---
Antimony	10	SB-103-009	5.60			.F.	15.00	500.00	---
Antimony	15	SB-103-012	4.60			.F.	15.00	500.00	---
Antimony	20	SB-016-016	2.70			.F.	15.00	500.00	---
Antimony	20	SB-036-011	5.80	L	J	.T.	15.00	500.00	---
Antimony	25	SB-056-011	6.30			.F.	15.00	500.00	---
Antimony	35	SB-027-014	2.80			.F.	15.00	500.00	---
Antimony	35	SB-036-014	2.30			.F.	15.00	500.00	---
Antimony	35	SB-056-018	5.30			.F.	15.00	500.00	---
Antimony	35	SB-103-023	5.70			.F.	15.00	500.00	---
Antimony	40	SB-103-026	5.40			.F.	15.00	500.00	---
Arsenic	0	SB-016-003	15.50			.T.	5.00	500.00	5.00
Arsenic	0	SB-027-003	7.60			.T.	5.00	500.00	5.00
Arsenic	0	SB-103-002	6.30			.F.	5.00	500.00	5.00
Arsenic	5	SB-016-006	10.60			.F.	5.00	500.00	5.00
Arsenic	5	SB-103-007	7.40			.T.	5.00	500.00	5.00
Arsenic	10	SB-016-010	6.20			.T.	5.00	500.00	5.00
Arsenic	10	SB-056-005	5.80			.T.	5.00	500.00	5.00
Arsenic	10	SB-103-009	7.57			.F.	5.00	500.00	5.00
Arsenic	15	SB-016-014	3.50			.T.	5.00	500.00	5.00
Arsenic	15	SB-103-012	4.79			.F.	5.00	500.00	5.00
Arsenic	20	SB-016-016	4.69			.F.	5.00	500.00	5.00
Arsenic	20	SB-036-011	8.20			.T.	5.00	500.00	5.00

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Arsenic	25	SB-016-021	9.60			.T.	5.00	500.00	5.00
Arsenic	25	SB-056-011	9.37			.F.	5.00	500.00	5.00
Arsenic	35	SB-016-025	3.40			.T.	5.00	500.00	5.00
Arsenic	35	SB-027-014	1.94			.F.	5.00	500.00	5.00
Arsenic	35	SB-036-014	2.47			.F.	5.00	500.00	5.00
Arsenic	35	SB-056-018	6.58			.F.	5.00	500.00	5.00
Arsenic	35	SB-103-023	6.19			.F.	5.00	500.00	5.00
Arsenic	40	SB-103-026	1.94			.F.	5.00	500.00	5.00
Barium	0	SB-016-003	167.00			.T.	100.00	10000.00	100.00
Barium	0	SB-027-003	116.00			.T.	100.00	10000.00	100.00
Barium	0	SB-103-002	209.00			.F.	100.00	10000.00	100.00
Barium	5	SB-016-006	494.00			.F.	100.00	10000.00	100.00
Barium	5	SB-103-007	208.00			.T.	100.00	10000.00	100.00
Barium	10	SB-016-010	181.00			.T.	100.00	10000.00	100.00
Barium	10	SB-056-005	144.00			.T.	100.00	10000.00	100.00
Barium	10	SB-103-009	167.00			.F.	100.00	10000.00	100.00
Barium	15	SB-016-014	128.00			.T.	100.00	10000.00	100.00
Barium	15	SB-103-012	181.00			.F.	100.00	10000.00	100.00
Barium	20	SB-016-016	287.00			.F.	100.00	10000.00	100.00
Barium	20	SB-036-011	298.00			.T.	100.00	10000.00	100.00
Barium	25	SB-016-021	176.00			.T.	100.00	10000.00	100.00
Barium	25	SB-056-011	239.00			.F.	100.00	10000.00	100.00
Barium	35	SB-016-025	33.70	L	J	.T.	100.00	10000.00	100.00
Barium	35	SB-027-014	60.60			.F.	100.00	10000.00	100.00
Barium	35	SB-036-014	59.60			.F.	100.00	10000.00	100.00
Barium	35	SB-056-018	54.30			.F.	100.00	10000.00	100.00
Barium	35	SB-103-023	186.00			.F.	100.00	10000.00	100.00
Barium	40	SB-103-026	36.20			.F.	100.00	10000.00	100.00
Beryllium	0	SB-016-003	0.92	L	J	.T.	0.75	75.00	---
Beryllium	0	SB-027-003	0.48	L	J	.T.	0.75	75.00	---
Beryllium	0	SB-103-002	0.25			.F.	0.75	75.00	---
Beryllium	5	SB-016-006	0.19			.F.	0.75	75.00	---
Beryllium	5	SB-103-007	1.40			.T.	0.75	75.00	---
Beryllium	10	SB-016-010	0.48	L	J	.T.	0.75	75.00	---
Beryllium	10	SB-056-005	0.72	L	J	.T.	0.75	75.00	---
Beryllium	10	SB-103-009	0.53			.F.	0.75	75.00	---
Beryllium	15	SB-016-014	0.91	L	J	.T.	0.75	75.00	---
Beryllium	15	SB-103-012	0.16			.F.	0.75	75.00	---
Beryllium	20	SB-016-016	0.19			.F.	0.75	75.00	---
Beryllium	20	SB-036-011	0.62	L	J	.T.	0.75	75.00	---
Beryllium	25	SB-016-021	1.00	L	J	.T.	0.75	75.00	---
Beryllium	25	SB-056-011	0.21			.F.	0.75	75.00	---
Beryllium	35	SB-016-025	0.88	L	J	.T.	0.75	75.00	---
Beryllium	35	SB-027-014	0.22			.F.	0.75	75.00	---
Beryllium	35	SB-036-014	0.16			.F.	0.75	75.00	---
Beryllium	35	SB-056-018	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-103-023	0.19			.F.	0.75	75.00	---
Beryllium	40	SB-103-026	0.18			.F.	0.75	75.00	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cadmium	0	SB-016-003	1.00	L	J	.T.	1.00	100.00	1.00
Cadmium	0	SB-103-002	1.03			.F.	1.00	100.00	1.00
Cadmium	5	SB-016-006	1.15			.F.	1.00	100.00	1.00
Cadmium	10	SB-103-009	0.37			.F.	1.00	100.00	1.00
Cadmium	15	SB-103-012	0.72			.F.	1.00	100.00	1.00
Cadmium	20	SB-016-016	0.49			.F.	1.00	100.00	1.00
Cadmium	20	SB-036-011	0.70	L	J	.T.	1.00	100.00	1.00
Cadmium	25	SB-056-011	0.50			.F.	1.00	100.00	1.00
Cadmium	35	SB-027-014	0.26			.F.	1.00	100.00	1.00
Cadmium	35	SB-036-014	0.31			.F.	1.00	100.00	1.00
Cadmium	35	SB-056-018	0.35			.F.	1.00	100.00	1.00
Cadmium	35	SB-103-023	0.46			.F.	1.00	100.00	1.00
Cadmium	40	SB-103-026	0.36			.F.	1.00	100.00	1.00
Calcium	0	SB-016-003	7520.00			.T.	---	---	---
Calcium	0	SB-027-003	71500.00			.T.	---	---	---
Calcium	0	SB-103-002	41300.00			.F.	---	---	---
Calcium	5	SB-016-006	9480.00			.F.	---	---	---
Calcium	5	SB-103-007	4970.00			.T.	---	---	---
Calcium	10	SB-016-010	3500.00			.T.	---	---	---
Calcium	10	SB-056-005	2500.00			.T.	---	---	---
Calcium	10	SB-103-009	3260.00			.F.	---	---	---
Calcium	15	SB-016-014	2510.00			.T.	---	---	---
Calcium	15	SB-103-012	3940.00			.F.	---	---	---
Calcium	20	SB-016-016	2890.00			.F.	---	---	---
Calcium	20	SB-036-011	5740.00			.T.	---	---	---
Calcium	25	SB-016-021	6570.00			.T.	---	---	---
Calcium	25	SB-056-011	6290.00			.F.	---	---	---
Calcium	35	SB-016-025	1740.00			.T.	---	---	---
Calcium	35	SB-027-014	2000.00			.F.	---	---	---
Calcium	35	SB-036-014	2240.00			.F.	---	---	---
Calcium	35	SB-056-018	1880.00			.F.	---	---	---
Calcium	35	SB-103-023	8540.00			.F.	---	---	---
Calcium	40	SB-103-026	1460.00			.F.	---	---	---
Chromium	0	SB-016-003	28.30			.T.	560.00	2500.00	5.00
Chromium	0	SB-027-003	26.00			.T.	560.00	2500.00	5.00
Chromium	0	SB-103-002	27.10			.F.	560.00	2500.00	5.00
Chromium	5	SB-016-006	34.60			.F.	560.00	2500.00	5.00
Chromium	5	SB-103-007	39.00			.T.	560.00	2500.00	5.00
Chromium	10	SB-016-010	36.00			.T.	560.00	2500.00	5.00
Chromium	10	SB-056-005	33.20			.T.	560.00	2500.00	5.00
Chromium	10	SB-103-009	32.70			.F.	560.00	2500.00	5.00
Chromium	15	SB-016-014	22.60			.T.	560.00	2500.00	5.00
Chromium	15	SB-103-012	32.90			.F.	560.00	2500.00	5.00
Chromium	20	SB-016-016	32.20			.F.	560.00	2500.00	5.00
Chromium	20	SB-036-011	42.60			.T.	560.00	2500.00	5.00
Chromium	25	SB-016-021	33.60			.T.	560.00	2500.00	5.00
Chromium	25	SB-056-011	29.20			.F.	560.00	2500.00	5.00
Chromium	35	SB-016-025	7.80			.T.	560.00	2500.00	5.00

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Chromium	35	SB-027-014	7.99			.F.	560.00	2500.00	5.00
Chromium	35	SB-036-014	9.07			.F.	560.00	2500.00	5.00
Chromium	35	SB-056-018	7.68			.F.	560.00	2500.00	5.00
Chromium	35	SB-103-023	37.50			.F.	560.00	2500.00	5.00
Chromium	40	SB-103-026	7.49			.F.	560.00	2500.00	5.00
Cobalt	0	SB-016-003	11.20			.T.	80.00	8000.00	---
Cobalt	0	SB-027-003	6.60	L	J	.T.	80.00	8000.00	---
Cobalt	0	SB-103-002	10.10			.F.	80.00	8000.00	---
Cobalt	5	SB-016-006	13.30			.F.	80.00	8000.00	---
Cobalt	5	SB-103-007	17.30			.T.	80.00	8000.00	---
Cobalt	10	SB-016-010	18.50			.T.	80.00	8000.00	---
Cobalt	10	SB-056-005	15.50			.T.	80.00	8000.00	---
Cobalt	10	SB-103-009	15.80			.F.	80.00	8000.00	---
Cobalt	15	SB-016-014	13.10			.T.	80.00	8000.00	---
Cobalt	15	SB-103-012	17.50			.F.	80.00	8000.00	---
Cobalt	20	SB-016-016	16.00			.F.	80.00	8000.00	---
Cobalt	20	SB-036-011	18.30			.T.	80.00	8000.00	---
Cobalt	25	SB-016-021	15.80			.T.	80.00	8000.00	---
Cobalt	25	SB-056-011	14.80			.F.	80.00	8000.00	---
Cobalt	35	SB-016-025	3.50	L	J	.T.	80.00	8000.00	---
Cobalt	35	SB-027-014	4.40			.F.	80.00	8000.00	---
Cobalt	35	SB-036-014	5.22			.F.	80.00	8000.00	---
Cobalt	35	SB-056-018	4.08			.F.	80.00	8000.00	---
Cobalt	35	SB-103-023	18.90			.F.	80.00	8000.00	---
Cobalt	40	SB-103-026	2.70			.F.	80.00	8000.00	---
Copper	0	SB-016-003	28.70		J	.T.	25.00	2500.00	---
Copper	0	SB-027-003	29.40		J	.T.	25.00	2500.00	---
Copper	0	SB-103-002	511.00			.F.	25.00	2500.00	---
Copper	5	SB-016-006	37.60			.F.	25.00	2500.00	---
Copper	5	SB-103-007	31.40		J	.T.	25.00	2500.00	---
Copper	10	SB-016-010	30.70		J	.T.	25.00	2500.00	---
Copper	10	SB-056-005	29.80		J	.T.	25.00	2500.00	---
Copper	10	SB-103-009	29.60			.F.	25.00	2500.00	---
Copper	15	SB-016-014	19.20		J	.T.	25.00	2500.00	---
Copper	15	SB-103-012	28.60			.F.	25.00	2500.00	---
Copper	20	SB-016-016	27.00			.F.	25.00	2500.00	---
Copper	20	SB-036-011	42.80		J	.T.	25.00	2500.00	---
Copper	25	SB-016-021	35.70		J	.T.	25.00	2500.00	---
Copper	25	SB-056-011	34.90			.F.	25.00	2500.00	---
Copper	35	SB-016-025	7.60		J	.T.	25.00	2500.00	---
Copper	35	SB-027-014	5.79			.F.	25.00	2500.00	---
Copper	35	SB-036-014	7.28			.F.	25.00	2500.00	---
Copper	35	SB-056-018	8.57			.F.	25.00	2500.00	---
Copper	35	SB-103-023	51.50			.F.	25.00	2500.00	---
Copper	40	SB-103-026	5.02			.F.	25.00	2500.00	---
Iron	0	SB-016-003	23200.00			.T.	---	---	---
Iron	0	SB-027-003	17800.00			.T.	---	---	---
Iron	0	SB-103-002	19500.00			.F.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Iron	5	SB-016-006	24400.00			.F.	---	---	---
Iron	5	SB-103-007	33000.00			.T.	---	---	---
Iron	10	SB-016-010	31300.00			.T.	---	---	---
Iron	10	SB-056-005	30600.00			.T.	---	---	---
Iron	10	SB-103-009	30400.00			.F.	---	---	---
Iron	15	SB-016-014	20000.00			.T.	---	---	---
Iron	15	SB-103-012	28400.00			.F.	---	---	---
Iron	20	SB-016-016	29500.00			.F.	---	---	---
Iron	20	SB-036-011	36400.00			.T.	---	---	---
Iron	25	SB-016-021	29400.00			.T.	---	---	---
Iron	25	SB-056-011	26800.00			.F.	---	---	---
Iron	35	SB-016-025	7790.00			.T.	---	---	---
Iron	35	SB-027-014	9770.00			.F.	---	---	---
Iron	35	SB-036-014	9920.00			.F.	---	---	---
Iron	35	SB-056-018	8090.00			.F.	---	---	---
Iron	35	SB-103-023	30400.00			.F.	---	---	---
Iron	40	SB-103-026	5930.00			.F.	---	---	---
Lead	0	SB-016-003	85.40			.T.	5.00	1000.00	5.00
Lead	0	SB-027-003	21.00			.T.	5.00	1000.00	5.00
Lead	0	SB-103-002	174.00			.F.	5.00	1000.00	5.00
Lead	5	SB-016-006	398.00			.F.	5.00	1000.00	5.00
Lead	5	SB-103-007	495.00			.T.	5.00	1000.00	5.00
Lead	10	SB-016-010	7.40			.T.	5.00	1000.00	5.00
Lead	10	SB-056-005	6.90			.T.	5.00	1000.00	5.00
Lead	10	SB-103-009	6.18			.F.	5.00	1000.00	5.00
Lead	15	SB-016-014	4.20			.T.	5.00	1000.00	5.00
Lead	15	SB-103-012	9.67			.F.	5.00	1000.00	5.00
Lead	20	SB-016-016	7.21			.F.	5.00	1000.00	5.00
Lead	20	SB-036-011	8.80			.T.	5.00	1000.00	5.00
Lead	25	SB-016-021	6.40			.T.	5.00	1000.00	5.00
Lead	25	SB-056-011	6.89			.F.	5.00	1000.00	5.00
Lead	35	SB-016-025	1.50			.T.	5.00	1000.00	5.00
Lead	35	SB-027-014	3.44			.F.	5.00	1000.00	5.00
Lead	35	SB-036-014	2.79			.F.	5.00	1000.00	5.00
Lead	35	SB-056-018	5.84			.F.	5.00	1000.00	5.00
Lead	35	SB-103-023	28.20			.F.	5.00	1000.00	5.00
Lead	40	SB-103-026	5.93			.F.	5.00	1000.00	5.00
Magnesium	0	SB-016-003	6370.00			.T.	---	---	---
Magnesium	0	SB-027-003	6170.00			.T.	---	---	---
Magnesium	0	SB-103-002	6500.00			.F.	---	---	---
Magnesium	5	SB-016-006	7320.00			.F.	---	---	---
Magnesium	5	SB-103-007	7890.00			.T.	---	---	---
Magnesium	10	SB-016-010	7330.00			.T.	---	---	---
Magnesium	10	SB-056-005	7310.00			.T.	---	---	---
Magnesium	10	SB-103-009	8540.00			.F.	---	---	---
Magnesium	15	SB-016-014	4760.00			.T.	---	---	---
Magnesium	15	SB-103-012	7180.00			.F.	---	---	---
Magnesium	20	SB-016-016	7480.00			.F.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Magnesium	20	SB-036-011	9000.00			.T.	---	---	---
Magnesium	25	SB-016-021	11100.00			.T.	---	---	---
Magnesium	25	SB-056-011	8570.00			.F.	---	---	---
Magnesium	35	SB-016-025	2080.00			.T.	---	---	---
Magnesium	35	SB-027-014	3020.00			.F.	---	---	---
Magnesium	35	SB-036-014	3240.00			.F.	---	---	---
Magnesium	35	SB-056-018	2230.00			.F.	---	---	---
Magnesium	35	SB-103-023	11000.00			.F.	---	---	---
Magnesium	40	SB-103-026	1850.00			.F.	---	---	---
Manganese	0	SB-016-003	383.00			.T.	---	---	---
Manganese	0	SB-027-003	279.00			.T.	---	---	---
Manganese	0	SB-103-002	404.00			.F.	---	---	---
Manganese	5	SB-016-006	483.00			.F.	---	---	---
Manganese	5	SB-103-007	682.00			.T.	---	---	---
Manganese	10	SB-016-010	775.00			.T.	---	---	---
Manganese	10	SB-056-005	761.00			.T.	---	---	---
Manganese	10	SB-103-009	677.00			.F.	---	---	---
Manganese	15	SB-016-014	351.00			.T.	---	---	---
Manganese	15	SB-103-012	660.00			.F.	---	---	---
Manganese	20	SB-016-016	467.00			.F.	---	---	---
Manganese	20	SB-036-011	556.00			.T.	---	---	---
Manganese	25	SB-016-021	454.00			.T.	---	---	---
Manganese	25	SB-056-011	419.00			.F.	---	---	---
Manganese	35	SB-016-025	110.00			.T.	---	---	---
Manganese	35	SB-027-014	147.00			.F.	---	---	---
Manganese	35	SB-036-014	147.00			.F.	---	---	---
Manganese	35	SB-056-018	137.00			.F.	---	---	---
Manganese	35	SB-103-023	438.00			.F.	---	---	---
Manganese	40	SB-103-026	133.00			.F.	---	---	---
Mercury	0	SB-016-003	0.17		J	.T.	0.20	20.00	0.20
Mercury	0	SB-103-002	0.01			.F.	0.20	20.00	0.20
Mercury	5	SB-016-006	0.11			.F.	0.20	20.00	0.20
Mercury	5	SB-103-007	0.16		J	.T.	0.20	20.00	0.20
Mercury	10	SB-016-010	0.11		J	.T.	0.20	20.00	0.20
Mercury	10	SB-103-009	0.04			.F.	0.20	20.00	0.20
Mercury	15	SB-103-012	0.02			.F.	0.20	20.00	0.20
Mercury	20	SB-016-016	0.06			.F.	0.20	20.00	0.20
Mercury	25	SB-016-021	0.13		J	.T.	0.20	20.00	0.20
Mercury	25	SB-056-011	0.05			.F.	0.20	20.00	0.20
Mercury	35	SB-027-014	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-036-014	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-056-018	0.05			.F.	0.20	20.00	0.20
Mercury	35	SB-103-023	0.23			.F.	0.20	20.00	0.20
Mercury	40	SB-103-026	0.02			.F.	0.20	20.00	0.20
Molybdenum	0	SB-103-002	0.86			.F.	350.00	3500.00	---
Molybdenum	5	SB-016-006	1.09			.F.	350.00	3500.00	---
Molybdenum	10	SB-103-009	0.53			.F.	350.00	3500.00	---
Molybdenum	15	SB-103-012	0.55			.F.	350.00	3500.00	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Molybdenum	20	SB-016-016	0.55			.F.	350.00	3500.00	---
Molybdenum	25	SB-056-011	0.51			.F.	350.00	3500.00	---
Molybdenum	35	SB-027-014	0.44			.F.	350.00	3500.00	---
Molybdenum	35	SB-036-014	0.44			.F.	350.00	3500.00	---
Molybdenum	35	SB-056-018	0.52			.F.	350.00	3500.00	---
Molybdenum	35	SB-103-023	0.66			.F.	350.00	3500.00	---
Molybdenum	40	SB-103-026	0.47			.F.	350.00	3500.00	---
Nickel	0	SB-016-003	22.80			.T.	20.00	2000.00	---
Nickel	0	SB-027-003	12.80			.T.	20.00	2000.00	---
Nickel	0	SB-103-002	20.50			.F.	20.00	2000.00	---
Nickel	5	SB-016-006	25.20			.F.	20.00	2000.00	---
Nickel	5	SB-103-007	25.30			.T.	20.00	2000.00	---
Nickel	10	SB-016-010	24.30			.T.	20.00	2000.00	---
Nickel	10	SB-056-005	23.00			.T.	20.00	2000.00	---
Nickel	10	SB-103-009	24.50			.F.	20.00	2000.00	---
Nickel	15	SB-016-014	15.90			.T.	20.00	2000.00	---
Nickel	15	SB-103-012	24.30			.F.	20.00	2000.00	---
Nickel	20	SB-016-016	23.50			.F.	20.00	2000.00	---
Nickel	20	SB-036-011	30.00			.T.	20.00	2000.00	---
Nickel	25	SB-016-021	30.30			.T.	20.00	2000.00	---
Nickel	25	SB-056-011	21.40			.F.	20.00	2000.00	---
Nickel	35	SB-016-025	5.40	L	J	.T.	20.00	2000.00	---
Nickel	35	SB-027-014	6.62			.F.	20.00	2000.00	---
Nickel	35	SB-036-014	7.01			.F.	20.00	2000.00	---
Nickel	35	SB-056-018	5.68			.F.	20.00	2000.00	---
Nickel	35	SB-103-023	28.20			.F.	20.00	2000.00	---
Nickel	40	SB-103-026	4.66			.F.	20.00	2000.00	---
Potassium	0	SB-016-003	3930.00			.T.	---	---	---
Potassium	0	SB-027-003	2320.00			.T.	---	---	---
Potassium	0	SB-103-002	2880.00			.F.	---	---	---
Potassium	5	SB-016-006	4410.00			.F.	---	---	---
Potassium	5	SB-103-007	4430.00			.T.	---	---	---
Potassium	10	SB-016-010	4340.00			.T.	---	---	---
Potassium	10	SB-056-005	4720.00			.T.	---	---	---
Potassium	10	SB-103-009	5160.00			.F.	---	---	---
Potassium	15	SB-016-014	4030.00			.T.	---	---	---
Potassium	15	SB-103-012	5400.00			.F.	---	---	---
Potassium	20	SB-016-016	4530.00			.F.	---	---	---
Potassium	20	SB-036-011	4280.00			.T.	---	---	---
Potassium	25	SB-016-021	3260.00			.T.	---	---	---
Potassium	25	SB-056-011	2790.00			.F.	---	---	---
Potassium	35	SB-016-025	933.00	L	J	.T.	---	---	---
Potassium	35	SB-027-014	1500.00			.F.	---	---	---
Potassium	35	SB-036-014	1610.00			.F.	---	---	---
Potassium	35	SB-056-018	1210.00			.F.	---	---	---
Potassium	35	SB-103-023	5610.00			.F.	---	---	---
Potassium	40	SB-103-026	626.00			.F.	---	---	---
Selenium	0	SB-103-002	0.21			.F.	1.00	100.00	1.00

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Selenium	5	SB-016-006	0.30			.F.	1.00	100.00	1.00
Selenium	10	SB-103-009	0.21			.F.	1.00	100.00	1.00
Selenium	15	SB-103-012	0.22			.F.	1.00	100.00	1.00
Selenium	20	SB-016-016	0.27			.F.	1.00	100.00	1.00
Selenium	25	SB-056-011	0.26			.F.	1.00	100.00	1.00
Selenium	35	SB-027-014	0.22			.F.	1.00	100.00	1.00
Selenium	35	SB-036-014	0.22			.F.	1.00	100.00	1.00
Selenium	35	SB-056-018	0.26			.F.	1.00	100.00	1.00
Selenium	35	SB-103-023	0.26			.F.	1.00	100.00	1.00
Selenium	40	SB-103-026	0.19			.F.	1.00	100.00	1.00
Silver	0	SB-103-002	0.59			.F.	5.00	500.00	5.00
Silver	5	SB-016-006	0.85			.F.	5.00	500.00	5.00
Silver	10	SB-016-010	0.85	L	J	.T.	5.00	500.00	5.00
Silver	10	SB-103-009	0.61			.F.	5.00	500.00	5.00
Silver	15	SB-103-012	0.49			.F.	5.00	500.00	5.00
Silver	20	SB-016-016	0.84			.F.	5.00	500.00	5.00
Silver	25	SB-056-011	0.68			.F.	5.00	500.00	5.00
Silver	35	SB-027-014	0.89			.F.	5.00	500.00	5.00
Silver	35	SB-036-014	0.72			.F.	5.00	500.00	5.00
Silver	35	SB-056-018	0.57			.F.	5.00	500.00	5.00
Silver	35	SB-103-023	0.61			.F.	5.00	500.00	5.00
Silver	40	SB-103-026	0.58			.F.	5.00	500.00	5.00
Sodium	0	SB-016-003	281.00	L	J	.T.	---	---	---
Sodium	0	SB-027-003	447.00	L	J	.T.	---	---	---
Sodium	0	SB-103-002	559.00			.F.	---	---	---
Sodium	5	SB-016-006	1590.00			.F.	---	---	---
Sodium	5	SB-103-007	495.00	L	J	.T.	---	---	---
Sodium	10	SB-016-010	860.00	L	J	.T.	---	---	---
Sodium	10	SB-056-005	752.00	L	J	.T.	---	---	---
Sodium	10	SB-103-009	1090.00			.F.	---	---	---
Sodium	15	SB-016-014	450.00	L	J	.T.	---	---	---
Sodium	15	SB-103-012	841.00			.F.	---	---	---
Sodium	20	SB-016-016	939.00			.F.	---	---	---
Sodium	20	SB-036-011	1230.00			.T.	---	---	---
Sodium	25	SB-016-021	1630.00			.T.	---	---	---
Sodium	25	SB-056-011	975.00			.F.	---	---	---
Sodium	35	SB-016-025	157.00	L	J	.T.	---	---	---
Sodium	35	SB-027-014	210.00			.F.	---	---	---
Sodium	35	SB-036-014	147.00			.F.	---	---	---
Sodium	35	SB-056-018	259.00			.F.	---	---	---
Sodium	35	SB-103-023	970.00			.F.	---	---	---
Sodium	40	SB-103-026	145.00			.F.	---	---	---
Thallium	0	SB-103-002	15.00			.F.	7.00	700.00	---
Thallium	5	SB-016-006	10.90			.F.	7.00	700.00	---
Thallium	10	SB-103-009	15.40			.F.	7.00	700.00	---
Thallium	15	SB-103-012	12.60			.F.	7.00	700.00	---
Thallium	20	SB-016-016	10.70			.F.	7.00	700.00	---
Thallium	25	SB-056-011	22.20			.F.	7.00	700.00	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Thallium	35	SB-027-014	11.30			.F.	7.00	700.00	---
Thallium	35	SB-036-014	9.17			.F.	7.00	700.00	---
Thallium	35	SB-056-018	14.60			.F.	7.00	700.00	---
Thallium	35	SB-103-023	21.30			.F.	7.00	700.00	---
Thallium	40	SB-103-026	14.80			.F.	7.00	700.00	---
Vanadium	0	SB-016-003	48.00			.T.	24.00	2400.00	---
Vanadium	0	SB-027-003	37.00			.T.	24.00	2400.00	---
Vanadium	0	SB-103-002	37.30			.F.	24.00	2400.00	---
Vanadium	5	SB-016-006	49.40			.F.	24.00	2400.00	---
Vanadium	5	SB-103-007	63.80			.T.	24.00	2400.00	---
Vanadium	10	SB-016-010	60.90			.T.	24.00	2400.00	---
Vanadium	10	SB-056-005	59.90			.T.	24.00	2400.00	---
Vanadium	10	SB-103-009	58.50			.F.	24.00	2400.00	---
Vanadium	15	SB-016-014	39.70			.T.	24.00	2400.00	---
Vanadium	15	SB-103-012	59.50			.F.	24.00	2400.00	---
Vanadium	20	SB-016-016	61.90			.F.	24.00	2400.00	---
Vanadium	20	SB-036-011	71.00			.T.	24.00	2400.00	---
Vanadium	25	SB-016-021	46.20			.T.	24.00	2400.00	---
Vanadium	25	SB-056-011	46.40			.F.	24.00	2400.00	---
Vanadium	35	SB-016-025	14.20			.T.	24.00	2400.00	---
Vanadium	35	SB-027-014	18.80			.F.	24.00	2400.00	---
Vanadium	35	SB-036-014	20.60			.F.	24.00	2400.00	---
Vanadium	35	SB-056-018	14.40			.F.	24.00	2400.00	---
Vanadium	35	SB-103-023	63.00			.F.	24.00	2400.00	---
Vanadium	40	SB-103-026	10.10			.F.	24.00	2400.00	---
Zinc	0	SB-016-003	105.00			.T.	250.00	5000.00	---
Zinc	0	SB-027-003	56.80			.T.	250.00	5000.00	---
Zinc	0	SB-103-002	236.00			.F.	250.00	5000.00	---
Zinc	5	SB-016-006	126.00			.F.	250.00	5000.00	---
Zinc	5	SB-103-007	73.80			.T.	250.00	5000.00	---
Zinc	10	SB-016-010	66.00			.T.	250.00	5000.00	---
Zinc	10	SB-056-005	63.60			.T.	250.00	5000.00	---
Zinc	10	SB-103-009	79.30			.F.	250.00	5000.00	---
Zinc	15	SB-016-014	46.60			.T.	250.00	5000.00	---
Zinc	15	SB-103-012	73.00			.F.	250.00	5000.00	---
Zinc	20	SB-016-016	69.60			.F.	250.00	5000.00	---
Zinc	20	SB-036-011	72.30			.T.	250.00	5000.00	---
Zinc	25	SB-016-021	65.70			.T.	250.00	5000.00	---
Zinc	25	SB-056-011	61.60			.F.	250.00	5000.00	---
Zinc	35	SB-016-025	22.00			.T.	250.00	5000.00	---
Zinc	35	SB-027-014	31.10			.F.	250.00	5000.00	---
Zinc	35	SB-036-014	30.20			.F.	250.00	5000.00	---
Zinc	35	SB-056-018	25.10			.F.	250.00	5000.00	---
Zinc	35	SB-103-023	96.40			.F.	250.00	5000.00	---
Zinc	40	SB-103-026	18.40			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDD	0	SB-046-001	60.00			.T.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS WASTE LIMIT
4,4'-DDE	0	SB-016-001	15.00	J		.T.	---	---	---
4,4'-DDE	0	SB-027-001	23.00	J		.F.	---	---	---
4,4'-DDE	0	SB-036-001	110.00			.T.	---	---	---
4,4'-DDT	0	SB-027-004	28.00	J		.F.	---	---	---
4,4'-DDT	0	SB-036-001	160.00			.T.	---	---	---
Aroclor-1242	5	SB-016-005	80.00			.F.	---	---	---
Aroclor-1260	5	SB-016-005	130.00	J		.F.	---	---	---
gamma-BHC (Lindane)	35	SB-027-013	8.00			.F.	---	---	---
** SEMI-VOLATILES									
2-Methylnaphthalene	5	SB-016-005	1200.00			.F.	---	---	---
4-Chloroaniline	5	SB-016-005	140.00	J		.F.	---	---	---
Acenaphthylene	5	SB-016-005	170.00	J		.F.	---	---	---
Butylbenzylphthalate	0	SB-027-004	520.00	J		.F.	---	---	---
Chrysene	5	SB-016-005	500.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-027-001	73.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-016-005	500.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-046-005	360.00		J	.T.	---	---	---
Di-n-butylphthalate	10	SB-046-005	360.00			.F.	---	---	---
Di-n-butylphthalate	15	SB-046-008	210.00			.F.	---	---	---
Di-n-butylphthalate	15	SB-046-008	210.00		J	.T.	---	---	---
Di-n-butylphthalate	20	SB-016-015	640.00	B		.F.	---	---	---
Di-n-butylphthalate	35	SB-036-013	190.00	BJ		.F.	---	---	---
Dibenzofuran	5	SB-016-005	160.00	J		.F.	---	---	---
Fluorene	5	SB-016-005	1800.00			.F.	---	---	---
Naphthalene	5	SB-016-005	740.00			.F.	---	---	---
Phenanthrene	5	SB-016-005	4300.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-027-004	320.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-056-001	370.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-056-001	370.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-016-005	3400.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-103-004	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-027-005	74.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-103-014	150.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-103-018	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-056-014	150.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	50	SB-046-024	460.00	B		.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-027-004	6.00	J		.F.	---	---	---
2-Butanone	0	SB-027-004	14.00	D		.F.	---	---	---
2-Butanone	0	SB-056-001	12.00	D		.F.	---	---	---
2-Butanone	0	SB-056-001	12.00	D		.F.	---	---	---
2-Butanone	5	SB-103-004	6.00	BJ		.F.	---	---	---
2-Butanone	10	SB-016-008	18.00		J	.T.	---	---	---
2-Butanone	10	SB-046-005	6.00			.F.	---	---	---
2-Butanone	15	SB-016-012	11.00		J	.T.	---	---	---
2-Butanone	15	SB-046-008	13.00			.F.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Butanone	20	SB-027-009	4.00	J		.F.	---	---	---
2-Butanone	20	SB-046-012	19.00	B		.F.	---	---	---
2-Butanone	20	SB-056-007	20.00			.F.	---	---	---
2-Butanone	20	SB-056-007	20.00			.F.	---	---	---
2-Butanone	20	SB-103-014	13.00	B		.F.	---	---	---
2-Butanone	25	SB-103-018	11.00	BJ		.F.	---	---	---
2-Butanone	30	SB-046-016	11.00	B		.F.	---	---	---
2-Butanone	35	SB-046-020	7.00	B		.F.	---	---	---
2-Butanone	45	SB-016-027	2.00		J	.T.	---	---	---
Acetone	0	SB-027-001	1.00	BJ		.F.	---	---	---
Acetone	0	SB-027-004	4.00	BJ		.F.	---	---	---
Acetone	0	SB-027-004	13.00	BD		.F.	---	---	---
Acetone	0	SB-046-001	95.00	B		.F.	---	---	---
Acetone	0	SB-056-001	30.00	BD		.F.	---	---	---
Acetone	0	SB-056-001	15.00	B		.F.	---	---	---
Acetone	0	SB-056-001	15.00	B		.F.	---	---	---
Acetone	0	SB-056-001	30.00	BD		.F.	---	---	---
Acetone	5	SB-016-005	67.00			.F.	---	---	---
Acetone	5	SB-103-004	16.00	B		.F.	---	---	---
Acetone	10	SB-027-005	5.00	BJ		.F.	---	---	---
Acetone	10	SB-027-008	3.00	BJ		.F.	---	---	---
Acetone	10	SB-046-005	15.00	B		.F.	---	---	---
Acetone	15	SB-016-012	56.00			.T.	---	---	---
Acetone	15	SB-046-008	18.00	B		.F.	---	---	---
Acetone	20	SB-027-009	10.00	BJ		.F.	---	---	---
Acetone	20	SB-027-012	2.00	BJ		.F.	---	---	---
Acetone	20	SB-036-009	15.00			.T.	---	---	---
Acetone	20	SB-046-012	10.00	B		.F.	---	---	---
Acetone	20	SB-056-007	37.00	B		.F.	---	---	---
Acetone	20	SB-056-007	37.00	B		.F.	---	---	---
Acetone	20	SB-103-014	10.00	BJ		.F.	---	---	---
Acetone	25	SB-103-018	13.00	B		.F.	---	---	---
Acetone	30	SB-046-016	8.00	B		.F.	---	---	---
Acetone	35	SB-046-020	9.00	B		.F.	---	---	---
Ethylbenzene	5	SB-016-005	17.00			.F.	---	---	---
Ethylbenzene	15	SB-016-012	1.00		J	.T.	---	---	---
Methylene Chloride	0	SB-027-001	3.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-027-004	11.00	BD		.F.	---	---	---
Methylene Chloride	0	SB-027-004	3.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-046-001	20.00	B		.F.	---	---	---
Methylene Chloride	0	SB-056-001	17.00			.F.	---	---	---
Methylene Chloride	0	SB-056-001	14.00	BD		.F.	---	---	---
Methylene Chloride	0	SB-056-001	14.00	BD		.F.	---	---	---
Methylene Chloride	0	SB-056-001	17.00			.F.	---	---	---
Methylene Chloride	5	SB-016-005	7.00	J		.F.	---	---	---
Methylene Chloride	5	SB-103-004	1.00	J		.F.	---	---	---
Methylene Chloride	10	SB-027-005	7.00	B		.F.	---	---	---
Methylene Chloride	10	SB-027-008	9.00	B		.F.	---	---	---

TABLE 4-8 (Continued)

(BORDER W/RESERVOIR)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Methylene Chloride	10	SB-056-004	1.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-056-004	1.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-027-009	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-027-012	7.00	B		.F.	---	---	---
Methylene Chloride	20	SB-046-012	4.00	B		.F.	---	---	---
Methylene Chloride	20	SB-056-007	8.00			.F.	---	---	---
Methylene Chloride	20	SB-056-007	8.00			.F.	---	---	---
Methylene Chloride	30	SB-046-016	9.00	B		.F.	---	---	---
Methylene Chloride	30	SB-056-014	2.00	BJ		.F.	---	---	---
Methylene Chloride	35	SB-046-020	4.00	B		.F.	---	---	---
Toluene	0	SB-016-001	73.00			.T.	---	---	---
Toluene	0	SB-027-001	160.00			.F.	---	---	---
Toluene	0	SB-027-004	380.00	E		.F.	---	---	---
Toluene	0	SB-027-004	490.00	D		.F.	---	---	---
Toluene	0	SB-036-001	24.00			.T.	---	---	---
Toluene	0	SB-046-001	450.00			.T.	---	---	---
Toluene	0	SB-046-001	450.00			.F.	---	---	---
Toluene	0	SB-056-001	540.00	D		.F.	---	---	---
Toluene	0	SB-056-001	910.00	E		.F.	---	---	---
Toluene	0	SB-056-001	910.00	E		.F.	---	---	---
Toluene	0	SB-056-001	540.00	D		.F.	---	---	---
Toluene	5	SB-016-005	62.00			.F.	---	---	---
Toluene	10	SB-046-005	68.00			.T.	---	---	---
Toluene	10	SB-046-005	68.00			.F.	---	---	---
Toluene	15	SB-046-008	47.00			.T.	---	---	---
Toluene	15	SB-046-008	47.00			.F.	---	---	---
Toluene	20	SB-046-012	31.00			.T.	---	---	---
Toluene	20	SB-046-012	31.00			.F.	---	---	---
Toluene	20	SB-103-014	9.00			.F.	---	---	---
Toluene	35	SB-016-023	2.00		J	.T.	---	---	---
Toluene	35	SB-046-020	10.00			.T.	---	---	---
Toluene	35	SB-046-020	10.00			.F.	---	---	---
Toluene	50	SB-046-024	42.00			.T.	---	---	---

TABLE 4-8 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
** SEMI-VOLATILES									
2-Methylnaphthalene	15	SB-034-002	16000.00			.F.	---	---	---
Di-n-butylphthalate	25	SB-034-005	44.00	J		.F.	---	---	---
Fluorene	15	SB-034-002	2000.00	J		.F.	---	---	---
Naphthalene	15	SB-034-002	12000.00			.F.	---	---	---
Phenanthrene	15	SB-034-002	4500.00	J		.F.	---	---	---
Pyrene	15	SB-034-002	770.00	J		.F.	---	---	---
** VOLATILES									
1,1,1-Trichloroethane	15	SB-034-002	1800.00	J		.F.	---	---	---
2-Butanone	35	SB-034-009	3.00	J		.F.	---	---	---
Acetone	25	SB-034-005	3.00	J		.F.	---	---	---
Acetone	35	SB-034-009	25.00	B		.F.	---	---	---
Ethylbenzene	15	SB-034-002	11000.00			.F.	---	---	---
Methylene Chloride	15	SB-034-002	20000.00	B		.F.	---	---	---
Methylene Chloride	25	SB-034-005	8.00			.F.	---	---	---
Methylene Chloride	35	SB-034-009	10.00	B		.F.	---	---	---
Toluene	15	SB-034-002	12000.00			.F.	---	---	---

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTL LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	5	SB-069-005	28400.00			.F.	---	---	---
Aluminum	10	SB-069-009	14400.00			.F.	---	---	---
Aluminum	25	SB-068-013	10400.00			.F.	---	---	---
Aluminum	35	SB-069-020	3170.00			.F.	---	---	---
Antimony	5	SB-069-005	2.50			.F.	15.00	500.00	---
Antimony	10	SB-069-009	2.90			.F.	15.00	500.00	---
Antimony	25	SB-068-013	2.80			.F.	15.00	500.00	---
Antimony	35	SB-069-020	2.00			.F.	15.00	500.00	---
Arsenic	5	SB-069-005	12.20			.F.	5.00	500.00	5.00
Arsenic	10	SB-069-009	9.62			.F.	5.00	500.00	5.00
Arsenic	25	SB-068-013	6.33			.F.	5.00	500.00	5.00
Arsenic	35	SB-069-020	4.22			.F.	5.00	500.00	5.00
Barium	5	SB-069-005	254.00			.F.	100.00	10000.00	100.00
Barium	10	SB-069-009	179.00			.F.	100.00	10000.00	100.00
Barium	25	SB-068-013	107.00			.F.	100.00	10000.00	100.00
Barium	35	SB-069-020	48.70			.F.	100.00	10000.00	100.00
Beryllium	5	SB-069-005	0.18			.F.	0.75	75.00	---
Beryllium	10	SB-069-009	0.21			.F.	0.75	75.00	---
Beryllium	25	SB-068-013	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-069-020	0.14			.F.	0.75	75.00	---
Cadmium	5	SB-069-005	0.77			.F.	1.00	100.00	1.00
Cadmium	10	SB-069-009	0.68			.F.	1.00	100.00	1.00
Cadmium	25	SB-068-013	0.60			.F.	1.00	100.00	1.00
Cadmium	35	SB-069-020	0.25			.F.	1.00	100.00	1.00
Calcium	5	SB-069-005	4310.00			.F.	---	---	---
Calcium	10	SB-069-009	3340.00			.F.	---	---	---
Calcium	25	SB-068-013	3410.00			.F.	---	---	---
Calcium	35	SB-069-020	1340.00			.F.	---	---	---
Chromium	5	SB-069-005	40.80			.F.	560.00	2500.00	5.00
Chromium	10	SB-069-009	27.50			.F.	560.00	2500.00	5.00
Chromium	25	SB-068-013	17.00			.F.	560.00	2500.00	5.00
Chromium	35	SB-069-020	6.16			.F.	560.00	2500.00	5.00
Cobalt	5	SB-069-005	18.80			.F.	80.00	8000.00	---
Cobalt	10	SB-069-009	16.40			.F.	80.00	8000.00	---
Cobalt	25	SB-068-013	9.44			.F.	80.00	8000.00	---
Cobalt	35	SB-069-020	2.84			.F.	80.00	8000.00	---
Copper	5	SB-069-005	39.20			.F.	25.00	2500.00	---
Copper	10	SB-069-009	29.10			.F.	25.00	2500.00	---
Copper	25	SB-068-013	18.80			.F.	25.00	2500.00	---
Copper	35	SB-069-020	6.04			.F.	25.00	2500.00	---
Iron	5	SB-069-005	35300.00			.F.	---	---	---
Iron	10	SB-069-009	23800.00			.F.	---	---	---
Iron	25	SB-068-013	18400.00			.F.	---	---	---
Iron	35	SB-069-020	6700.00			.F.	---	---	---
Lead	5	SB-069-005	10.90			.F.	5.00	1000.00	5.00
Lead	10	SB-069-009	7.56			.F.	5.00	1000.00	5.00
Lead	25	SB-068-013	3.41			.F.	5.00	1000.00	5.00

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
Lead	35	SB-069-020	2.46			.F.	5.00	1000.00	5.00
Magnesium	5	SB-069-005	8670.00			.F.	---	---	---
Magnesium	10	SB-069-009	6440.00			.F.	---	---	---
Magnesium	25	SB-068-013	4970.00			.F.	---	---	---
Magnesium	35	SB-069-020	1800.00			.F.	---	---	---
Manganese	5	SB-069-005	884.00			.F.	---	---	---
Manganese	10	SB-069-009	687.00			.F.	---	---	---
Manganese	25	SB-068-013	263.00			.F.	---	---	---
Manganese	35	SB-069-020	130.00			.F.	---	---	---
Mercury	5	SB-069-005	0.02			.F.	0.20	20.00	0.20
Mercury	10	SB-069-009	0.02			.F.	0.20	20.00	0.20
Mercury	25	SB-068-013	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-069-020	0.02			.F.	0.20	20.00	0.20
Molybdenum	5	SB-069-005	0.68			.F.	350.00	3500.00	---
Molybdenum	10	SB-069-009	0.54			.F.	350.00	3500.00	---
Molybdenum	25	SB-068-013	0.57			.F.	350.00	3500.00	---
Molybdenum	35	SB-069-020	0.46			.F.	350.00	3500.00	---
Nickel	5	SB-069-005	30.00			.F.	20.00	2000.00	---
Nickel	10	SB-069-009	21.50			.F.	20.00	2000.00	---
Nickel	25	SB-068-013	12.90			.F.	20.00	2000.00	---
Nickel	35	SB-069-020	4.04			.F.	20.00	2000.00	---
Potassium	5	SB-069-005	6420.00			.F.	---	---	---
Potassium	10	SB-069-009	5510.00			.F.	---	---	---
Potassium	25	SB-068-013	3550.00			.F.	---	---	---
Potassium	35	SB-069-020	864.00			.F.	---	---	---
Selenium	5	SB-069-005	0.19			.F.	1.00	100.00	1.00
Selenium	10	SB-069-009	0.21			.F.	1.00	100.00	1.00
Selenium	25	SB-068-013	0.29			.F.	1.00	100.00	1.00
Selenium	35	SB-069-020	0.18			.F.	1.00	100.00	1.00
Silver	5	SB-069-005	0.79			.F.	5.00	500.00	5.00
Silver	10	SB-069-009	0.92			.F.	5.00	500.00	5.00
Silver	25	SB-068-013	0.88			.F.	5.00	500.00	5.00
Silver	35	SB-069-020	0.64			.F.	5.00	500.00	5.00
Sodium	5	SB-069-005	1730.00			.F.	---	---	---
Sodium	10	SB-069-009	850.00			.F.	---	---	---
Sodium	25	SB-068-013	465.00			.F.	---	---	---
Sodium	35	SB-069-020	146.00			.F.	---	---	---
Thallium	5	SB-069-005	10.10			.F.	7.00	700.00	---
Thallium	10	SB-069-009	11.70			.F.	7.00	700.00	---
Thallium	25	SB-068-013	11.20			.F.	7.00	700.00	---
Thallium	35	SB-069-020	8.11			.F.	7.00	700.00	---
Vanadium	5	SB-069-005	70.90			.F.	24.00	2400.00	---
Vanadium	10	SB-069-009	47.10			.F.	24.00	2400.00	---
Vanadium	25	SB-068-013	39.20			.F.	24.00	2400.00	---
Vanadium	35	SB-069-020	12.50			.F.	24.00	2400.00	---
Zinc	5	SB-069-005	90.10			.F.	250.00	5000.00	---
Zinc	10	SB-069-009	65.30			.F.	250.00	5000.00	---
Zinc	25	SB-068-013	47.80			.F.	250.00	5000.00	---

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS WASTE LIMIT
Zinc	35	SB-069-020	20.20			.F.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDT	0	SB-069-001	6.50			.F.	---	---	---
Aroclor-1248	0	SB-068-001	0.00			.F.	---	---	---
Aroclor-1254	0	SB-068-001	0.00			.F.	---	---	---
Toxaphene	0	SB-068-001	0.00			.F.	---	---	---
alpha-Chlordane	0	SB-069-001	1.30			.F.	---	---	---
gamma-Chlordane	0	SB-069-001	0.10			.F.	---	---	---
** SEMI-VOLATILES									
1,2,4-Trichlorobenzene	10	SB-050-004	72.00			.F.	---	---	---
1,2,4-Trichlorobenzene	20	SB-069-015	2600.00			.F.	---	---	---
1,4-Dichlorobenzene	10	SB-050-004	67.00			.F.	---	---	---
1,4-Dichlorobenzene	20	SB-069-015	2400.00			.F.	---	---	---
2,4-Dinitrotoluene	10	SB-050-004	130.00			.F.	---	---	---
2-Chlorophenol	20	SB-069-015	5200.00			.F.	---	---	---
2-Methylnaphthalene	0	SB-068-001	26.00			.F.	---	---	---
2-Methylnaphthalene	5	SB-069-004	16000.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-068-004	12000.00			.F.	---	---	---
2-Methylnaphthalene	25	SB-068-012	4100.00			.F.	---	---	---
2-Methylnaphthalene	35	SB-069-019	85000.00			.F.	---	---	---
2-Methylnaphthalene	35	SB-069-019	49000.00	E		.F.	---	---	---
4-Chloro-3-methylphenol	0	SB-068-001	73.00			.F.	---	---	---
4-Chloro-3-methylphenol	10	SB-050-004	180.00			.F.	---	---	---
4-Chloro-3-methylphenol	20	SB-069-015	5300.00			.F.	---	---	---
4-Nitrophenol	0	SB-068-001	1700.00			.F.	---	---	---
Acenaphthene	10	SB-050-004	83.00			.F.	---	---	---
Acenaphthylene	0	SB-068-001	27.00			.F.	---	---	---
Anthracene	0	SB-068-001	60.00			.F.	---	---	---
Anthracene	0	SB-068-001	53.00			.F.	---	---	---
Benzo(a)anthracene	0	SB-068-001	410.00			.F.	---	---	---
Benzo(a)anthracene	0	SB-068-001	380.00			.F.	---	---	---
Benzo(a)pyrene	0	SB-068-001	290.00			.F.	---	---	---
Benzo(a)pyrene	0	SB-068-001	370.00			.F.	---	---	---
Benzo(a)pyrene	35	SB-069-019	3100.00	J		.F.	---	---	---
Benzo(b)fluoranthene	0	SB-068-001	350.00			.F.	---	---	---
Benzo(b)fluoranthene	0	SB-068-001	370.00			.F.	---	---	---
Benzoic Acid	0	SB-068-001	230.00			.F.	---	---	---
Benzoic Acid	0	SB-068-001	240.00			.F.	---	---	---
Chrysene	0	SB-068-001	630.00			.F.	---	---	---
Chrysene	0	SB-068-001	600.00			.F.	---	---	---
Chrysene	35	SB-069-019	2900.00	J		.F.	---	---	---
Chrysene	35	SB-069-019	2600.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-050-001	71.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-068-001	230.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-068-001	230.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-050-004	120.00	B		.F.	---	---	---

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Di-n-butylphthalate	15	SB-050-007	68.00	B		.F.	---	---	---
Di-n-butylphthalate	15	SB-068-004	1700.00			.F.	---	---	---
Di-n-butylphthalate	20	SB-050-010	55.00	B		.F.	---	---	---
Di-n-butylphthalate	25	SB-068-012	370.00	BJ		.F.	---	---	---
Di-n-butylphthalate	40	SB-050-016	66.00	B		.F.	---	---	---
Di-n-butylphthalate	45	SB-050-019	58.00	B		.F.	---	---	---
Dibenzofuran	35	SB-069-019	1400.00	J		.F.	---	---	---
Fluoranthene	0	SB-068-001	460.00			.F.	---	---	---
Fluoranthene	0	SB-068-001	470.00			.F.	---	---	---
Fluoranthene	35	SB-069-019	410.00	J		.F.	---	---	---
Fluorene	15	SB-068-004	1100.00			.F.	---	---	---
Fluorene	35	SB-069-019	8300.00			.F.	---	---	---
N-Nitroso-di-n-propylamine	20	SB-069-015	2700.00			.F.	---	---	---
N-Nitrosodiphenylamine	35	SB-069-019	4000.00			.F.	---	---	---
Naphthalene	5	SB-069-004	5700.00			.F.	---	---	---
Naphthalene	15	SB-068-004	4700.00			.F.	---	---	---
Naphthalene	25	SB-068-012	1200.00			.F.	---	---	---
Naphthalene	35	SB-069-019	25000.00			.F.	---	---	---
Naphthalene	35	SB-069-019	15000.00			.F.	---	---	---
Pentachlorophenol	0	SB-068-001	290.00			.F.	---	---	---
Pentachlorophenol	10	SB-050-004	320.00			.F.	---	---	---
Phenanthrene	0	SB-068-001	90.00			.F.	---	---	---
Phenanthrene	0	SB-068-001	170.00			.F.	---	---	---
Phenanthrene	15	SB-068-004	2300.00			.F.	---	---	---
Phenanthrene	25	SB-068-012	670.00	J		.F.	---	---	---
Phenanthrene	35	SB-069-019	14000.00			.F.	---	---	---
Phenanthrene	35	SB-069-019	20000.00			.F.	---	---	---
Phenol	10	SB-050-004	160.00	B		.F.	---	---	---
Phenol	15	SB-068-004	3600.00			.F.	---	---	---
Phenol	20	SB-069-015	4800.00			.F.	---	---	---
Pyrene	0	SB-068-001	1100.00			.F.	---	---	---
Pyrene	0	SB-068-001	1100.00			.F.	---	---	---
Pyrene	10	SB-050-004	170.00			.F.	---	---	---
Pyrene	35	SB-069-019	1600.00	J		.F.	---	---	---
Pyrene	35	SB-069-019	1700.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-068-001	570.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-068-001	520.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-050-004	680.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-069-011	520.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-050-010	340.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-050-016	5200.00	B		.F.	---	---	---
** VOLATILES									
1,1,2,2-Tetrachloroethane	0	SB-068-001	520.00			.F.	---	---	---
2-Butanone	0	SB-068-001	1200.00			.F.	---	---	---
2-Butanone	0	SB-068-001	17.00			.F.	---	---	---
2-Butanone	10	SB-050-004	40.00			.F.	---	---	---
2-Butanone	20	SB-050-010	12.00			.F.	---	---	---

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
2-Butanone	40	SB-050-016	3.00			.F.	---	---	---
2-Butanone	45	SB-050-019	12.00			.F.	---	---	---
2-Hexanone	0	SB-068-001	17000.00			.F.	---	---	---
4-Methyl-2-Pentanone	0	SB-068-001	5400.00			.F.	---	---	---
Acetone	0	SB-068-001	15.00	B		.F.	---	---	---
Acetone	0	SB-068-001	1100.00	B		.F.	---	---	---
Acetone	0	SB-069-001	42.00			.F.	---	---	---
Acetone	10	SB-050-004	170.00	B		.F.	---	---	---
Acetone	10	SB-069-008	320.00			.F.	---	---	---
Acetone	10	SB-069-011	780.00			.F.	---	---	---
Acetone	15	SB-068-004	43.00	B		.F.	---	---	---
Acetone	20	SB-050-010	67.00	B		.F.	---	---	---
Acetone	20	SB-069-018	35.00			.F.	---	---	---
Acetone	35	SB-069-019	700.00			.F.	---	---	---
Acetone	40	SB-050-016	13.00	B		.F.	---	---	---
Acetone	45	SB-050-019	15.00	B		.F.	---	---	---
Benzene	15	SB-068-004	840.00			.F.	---	---	---
Benzene	35	SB-069-019	1100.00	J		.F.	---	---	---
Ethylbenzene	0	SB-068-001	2.00			.F.	---	---	---
Ethylbenzene	0	SB-068-001	870.00			.F.	---	---	---
Ethylbenzene	10	SB-050-004	4.00	B		.F.	---	---	---
Ethylbenzene	15	SB-068-004	3000.00	B		.F.	---	---	---
Ethylbenzene	15	SB-068-004	5100.00			.F.	---	---	---
Ethylbenzene	20	SB-050-010	1.00	B		.F.	---	---	---
Ethylbenzene	25	SB-068-012	360.00	J		.F.	---	---	---
Ethylbenzene	35	SB-069-019	7700.00			.F.	---	---	---
Methylene Chloride	0	SB-068-001	24.00	B		.F.	---	---	---
Methylene Chloride	0	SB-068-001	1900.00	B		.F.	---	---	---
Methylene Chloride	0	SB-069-001	5.00	B		.F.	---	---	---
Methylene Chloride	5	SB-069-004	220.00	J		.F.	---	---	---
Methylene Chloride	10	SB-050-004	33.00	B		.F.	---	---	---
Methylene Chloride	10	SB-069-008	71.00			.F.	---	---	---
Methylene Chloride	10	SB-069-011	38.00			.F.	---	---	---
Methylene Chloride	15	SB-068-004	59.00	B		.F.	---	---	---
Methylene Chloride	15	SB-068-004	330.00			.F.	---	---	---
Methylene Chloride	15	SB-069-012	6.00	B		.F.	---	---	---
Methylene Chloride	20	SB-050-010	11.00	B		.F.	---	---	---
Methylene Chloride	20	SB-069-018	6.00	B		.F.	---	---	---
Methylene Chloride	35	SB-050-013	79.00			.F.	---	---	---
Methylene Chloride	40	SB-050-016	8.00	B		.F.	---	---	---
Methylene Chloride	45	SB-050-019	12.00	B		.F.	---	---	---
Tetrachloroethene	0	SB-069-001	2.00	B		.F.	---	---	---
Tetrachloroethene	5	SB-069-004	1100.00	B		.F.	---	---	---
Tetrachloroethene	10	SB-069-011	60.00	B		.F.	---	---	---
Tetrachloroethene	20	SB-069-018	2.00	B		.F.	---	---	---
Tetrachloroethene	35	SB-069-019	1300.00	B		.F.	---	---	---
Tetrachloroethene	35	SB-069-019	260.00	B		.F.	---	---	---
Toluene	0	SB-068-001	3200.00	B		.F.	---	---	---

TABLE 4-8 (Continued)

(SE CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Toluene	0	SB-068-001	9000.00			.F.	---	---	---
Toluene	10	SB-050-004	330.00	B		.F.	---	---	---
Toluene	10	SB-069-011	8.00	J		.F.	---	---	---
Toluene	15	SB-068-004	5200.00			.F.	---	---	---
Toluene	15	SB-068-004	3300.00	B		.F.	---	---	---
Toluene	15	SB-069-012	34.00			.F.	---	---	---
Toluene	20	SB-050-010	16.00	B		.F.	---	---	---
Toluene	20	SB-069-018	3.00			.F.	---	---	---
Toluene	35	SB-050-013	470.00			.F.	---	---	---
Toluene	35	SB-069-019	310.00	J		.F.	---	---	---
Toluene	40	SB-050-016	13.00	B		.F.	---	---	---
Toluene	45	SB-050-019	64.00	B		.F.	---	---	---
Vinyl Acetate	0	SB-069-001	9.00			.F.	---	---	---
Xylene (total)	0	SB-068-001	2.00			.F.	---	---	---
Xylene (total)	0	SB-068-001	630.00			.F.	---	---	---
Xylene (total)	15	SB-068-004	16000.00			.F.	---	---	---
Xylene (total)	15	SB-068-004	7000.00	B		.F.	---	---	---
Xylene (total)	20	SB-050-010	2.00	B		.F.	---	---	---
Xylene (total)	25	SB-068-012	910.00			.F.	---	---	---
Xylene (total)	35	SB-069-019	4600.00			.F.	---	---	---

TABLE 4-8 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-060-013	4670.00			.F.	---	---	---
Antimony	35	SB-060-013	2.60			.F.	15.00	500.00	---
Arsenic	35	SB-060-013	19.00			.F.	5.00	500.00	5.00
Barium	35	SB-060-013	55.70			.F.	100.00	10000.00	100.00
Beryllium	35	SB-060-013	0.19			.F.	0.75	75.00	---
Cadmium	35	SB-060-013	0.24			.F.	1.00	100.00	1.00
Calcium	35	SB-060-013	1770.00			.F.	---	---	---
Chromium	35	SB-060-013	10.60			.F.	560.00	2500.00	5.00
Cobalt	35	SB-060-013	5.01			.F.	80.00	8000.00	---
Copper	35	SB-060-013	9.60			.F.	25.00	2500.00	---
Iron	35	SB-060-013	9250.00			.F.	---	---	---
Lead	35	SB-060-013	3.17			.F.	5.00	1000.00	5.00
Magnesium	35	SB-060-013	2690.00			.F.	---	---	---
Manganese	35	SB-060-013	180.00			.F.	---	---	---
Mercury	35	SB-060-013	0.02			.F.	0.20	20.00	0.20
Molybdenum	35	SB-060-013	0.48			.F.	350.00	3500.00	---
Nickel	35	SB-060-013	6.54			.F.	20.00	2000.00	---
Potassium	35	SB-060-013	1200.00			.F.	---	---	---
Selenium	35	SB-060-013	0.18			.F.	1.00	100.00	1.00
Silver	35	SB-060-013	0.82			.F.	5.00	500.00	5.00
Sodium	35	SB-060-013	221.00			.F.	---	---	---
Thallium	35	SB-060-013	10.40			.F.	7.00	700.00	---
Vanadium	35	SB-060-013	17.20			.F.	24.00	2400.00	---
Zinc	35	SB-060-013	27.60			.F.	250.00	5000.00	---
** PESTICIDES									
Aroclor-1254	35	SB-060-015	140.00			.F.	---	---	---
Aroclor-1260	35	SB-060-015	140.00			.F.	---	---	---
** SEMI-VOLATILES									
Phenanthrene	35	SB-060-015	570.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-060-015	300.00	BJ		.F.	---	---	---
** VOLATILES									
Acetone	10	SB-060-004	59.00			.F.	---	---	---
Acetone	35	SB-060-012	120.00			.F.	---	---	---
Acetone	35	SB-060-015	440.00			.F.	---	---	---
Acetone	40	SB-060-016	15.00			.F.	---	---	---
Acetone	45	SB-060-020	15.00			.F.	---	---	---
Benzene	35	SB-060-012	2.00	J		.F.	---	---	---
Methylene Chloride	0	SB-060-001	6.00	B		.F.	---	---	---
Methylene Chloride	10	SB-060-004	7.00	B		.F.	---	---	---
Methylene Chloride	35	SB-060-012	1.00	J		.F.	---	---	---
Methylene Chloride	35	SB-060-015	46.00			.F.	---	---	---
Methylene Chloride	40	SB-060-016	4.00	B		.F.	---	---	---
Methylene Chloride	45	SB-060-020	2.00	B		.F.	---	---	---

TABLE 4-8 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Methylene Chloride	45	SB-060-020	8.00	B		.F.	---	---	---
Tetrachloroethene	10	SB-060-004	2.00	B		.F.	---	---	---
Tetrachloroethene	45	SB-060-020	2.00	B		.F.	---	---	---
Toluene	0	SB-060-001	43.00			.F.	---	---	---
Toluene	10	SB-060-004	2.00			.F.	---	---	---
Toluene	35	SB-060-012	7.00			.F.	---	---	---
Toluene	35	SB-060-015	42.00			.F.	---	---	---
Trichloroethene	35	SB-060-012	1.00	J		.F.	---	---	---
Vinyl Acetate	40	SB-060-016	64.00			.F.	---	---	---
Vinyl Acetate	45	SB-060-020	76.00			.F.	---	---	---
Vinyl Acetate	45	SB-060-020	9.00			.F.	---	---	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	0	SB-055-001	15300.00			.T.	---	---	---
Aluminum	0	SB-055-002	11400.00			.T.	---	---	---
Aluminum	0	SB-067-004	13600.00			.T.	---	---	---
Aluminum	5	SB-055-005	14500.00			.T.	---	---	---
Aluminum	5	SB-066-002	14900.00			.F.	---	---	---
Aluminum	10	SB-055-008	10200.00			.F.	---	---	---
Aluminum	20	SB-066-004	9930.00			.F.	---	---	---
Aluminum	20	SB-066-005	6820.00			.F.	---	---	---
Aluminum	25	SB-055-018	10600.00			.F.	---	---	---
Aluminum	25	SB-066-007	4440.00			.T.	---	---	---
Aluminum	30	SB-066-010	3960.00			.F.	---	---	---
Aluminum	30	SB-067-015	4800.00			.F.	---	---	---
Aluminum	35	SB-055-022	3000.00			.F.	---	---	---
Aluminum	35	SB-066-013	10600.00			.T.	---	---	---
Aluminum	35	SB-067-018	26500.00			.F.	---	---	---
Aluminum	40	SB-066-016	18800.00			.F.	---	---	---
Aluminum	40	SB-067-002	21000.00			.T.	---	---	---
Aluminum	45	SB-066-019	5860.00			.T.	---	---	---
Antimony	0	SB-067-004	5.40	L	J	.T.	15.00	500.00	---
Antimony	5	SB-055-005	4.90	L	J	.T.	15.00	500.00	---
Antimony	5	SB-066-002	6.10			.F.	15.00	500.00	---
Antimony	10	SB-055-008	5.70			.F.	15.00	500.00	---
Antimony	20	SB-066-004	8.20			.F.	15.00	500.00	---
Antimony	20	SB-066-005	6.20			.F.	15.00	500.00	---
Antimony	25	SB-055-018	5.50			.F.	15.00	500.00	---
Antimony	30	SB-066-010	4.00			.F.	15.00	500.00	---
Antimony	30	SB-067-015	5.50			.F.	15.00	500.00	---
Antimony	35	SB-055-022	4.80			.F.	15.00	500.00	---
Antimony	35	SB-067-018	5.80			.F.	15.00	500.00	---
Antimony	40	SB-066-016	5.80			.F.	15.00	500.00	---
Antimony	40	SB-067-002	4.70	L	J	.T.	15.00	500.00	---
Arsenic	0	SB-055-001	4.10			.T.	5.00	500.00	5.00
Arsenic	0	SB-055-002	8.60			.T.	5.00	500.00	5.00
Arsenic	0	SB-067-004	9.50			.T.	5.00	500.00	5.00
Arsenic	5	SB-055-005	9.40			.T.	5.00	500.00	5.00
Arsenic	5	SB-066-002	4.61			.F.	5.00	500.00	5.00
Arsenic	10	SB-055-008	12.80			.F.	5.00	500.00	5.00
Arsenic	20	SB-066-004	7.36			.F.	5.00	500.00	5.00
Arsenic	20	SB-066-005	3.21			.F.	5.00	500.00	5.00
Arsenic	25	SB-055-018	2.96			.F.	5.00	500.00	5.00
Arsenic	25	SB-066-007	1.50	L	J	.T.	5.00	500.00	5.00
Arsenic	30	SB-066-010	1.11			.F.	5.00	500.00	5.00
Arsenic	30	SB-067-015	2.91			.F.	5.00	500.00	5.00
Arsenic	35	SB-055-022	2.05			.F.	5.00	500.00	5.00
Arsenic	35	SB-066-013	5.90			.T.	5.00	500.00	5.00
Arsenic	35	SB-067-018	12.80			.F.	5.00	500.00	5.00

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALID- DATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS
									WASTE LIMIT
Arsenic	40	SB-066-016	7.18			.F.	5.00	500.00	5.00
Arsenic	40	SB-067-002	18.50			.T.	5.00	500.00	5.00
Arsenic	45	SB-066-019	3.50			.T.	5.00	500.00	5.00
Barium	0	SB-055-001	146.00			.T.	100.00	10000.00	100.00
Barium	0	SB-055-002	144.00			.T.	100.00	10000.00	100.00
Barium	0	SB-067-004	216.00			.T.	100.00	10000.00	100.00
Barium	5	SB-055-005	341.00			.T.	100.00	10000.00	100.00
Barium	5	SB-066-002	154.00			.F.	100.00	10000.00	100.00
Barium	10	SB-055-008	1790.00			.F.	100.00	10000.00	100.00
Barium	20	SB-066-004	1450.00			.F.	100.00	10000.00	100.00
Barium	20	SB-066-005	259.00			.F.	100.00	10000.00	100.00
Barium	25	SB-055-018	90.90			.F.	100.00	10000.00	100.00
Barium	25	SB-066-007	33.30	L	J	.T.	100.00	10000.00	100.00
Barium	30	SB-066-010	45.90			.F.	100.00	10000.00	100.00
Barium	30	SB-067-015	50.40			.F.	100.00	10000.00	100.00
Barium	35	SB-055-022	48.30			.F.	100.00	10000.00	100.00
Barium	35	SB-066-013	84.40			.T.	100.00	10000.00	100.00
Barium	35	SB-067-018	199.00			.F.	100.00	10000.00	100.00
Barium	40	SB-066-016	161.00			.F.	100.00	10000.00	100.00
Barium	40	SB-067-002	178.00			.T.	100.00	10000.00	100.00
Barium	45	SB-066-019	58.10			.T.	100.00	10000.00	100.00
Beryllium	0	SB-055-001	1.20			.T.	0.75	75.00	---
Beryllium	0	SB-055-002	0.82	L	J	.T.	0.75	75.00	---
Beryllium	0	SB-067-004	1.00			.T.	0.75	75.00	---
Beryllium	5	SB-055-005	0.59	L	J	.T.	0.75	75.00	---
Beryllium	5	SB-066-002	0.21			.F.	0.75	75.00	---
Beryllium	10	SB-055-008	0.19			.F.	0.75	75.00	---
Beryllium	20	SB-066-004	0.79			.F.	0.75	75.00	---
Beryllium	20	SB-066-005	0.19			.F.	0.75	75.00	---
Beryllium	25	SB-055-018	0.58			.F.	0.75	75.00	---
Beryllium	25	SB-066-007	0.23	L	J	.T.	0.75	75.00	---
Beryllium	30	SB-066-010	0.25			.F.	0.75	75.00	---
Beryllium	30	SB-067-015	0.28			.F.	0.75	75.00	---
Beryllium	35	SB-055-022	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-066-013	1.00			.T.	0.75	75.00	---
Beryllium	35	SB-067-018	0.20			.F.	0.75	75.00	---
Beryllium	40	SB-066-016	0.20			.F.	0.75	75.00	---
Beryllium	40	SB-067-002	1.30			.T.	0.75	75.00	---
Beryllium	45	SB-066-019	0.23	L	J	.T.	0.75	75.00	---
Cadmium	0	SB-055-001	0.86	L	J	.T.	1.00	100.00	1.00
Cadmium	0	SB-055-002	1.30			.T.	1.00	100.00	1.00
Cadmium	0	SB-067-004	2.20			.T.	1.00	100.00	1.00
Cadmium	5	SB-055-005	2.10			.T.	1.00	100.00	1.00
Cadmium	5	SB-066-002	0.77			.F.	1.00	100.00	1.00
Cadmium	10	SB-055-008	1.94			.F.	1.00	100.00	1.00
Cadmium	20	SB-066-004	1.98			.F.	1.00	100.00	1.00
Cadmium	20	SB-066-005	0.37			.F.	1.00	100.00	1.00
Cadmium	25	SB-055-018	0.36			.F.	1.00	100.00	1.00

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cadmium	30	SB-066-010	0.26			.F.	1.00	100.00	1.00
Cadmium	30	SB-067-015	0.36			.F.	1.00	100.00	1.00
Cadmium	35	SB-055-022	0.32			.F.	1.00	100.00	1.00
Cadmium	35	SB-067-018	0.45			.F.	1.00	100.00	1.00
Cadmium	40	SB-066-016	0.38			.F.	1.00	100.00	1.00
Calcium	0	SB-055-001	2820.00			.T.	---	---	---
Calcium	0	SB-055-002	5860.00			.T.	---	---	---
Calcium	0	SB-067-004	9830.00			.T.	---	---	---
Calcium	5	SB-055-005	11800.00			.T.	---	---	---
Calcium	5	SB-066-002	11400.00			.F.	---	---	---
Calcium	10	SB-055-008	26500.00			.F.	---	---	---
Calcium	20	SB-066-004	24500.00			.F.	---	---	---
Calcium	20	SB-066-005	7840.00			.F.	---	---	---
Calcium	25	SB-055-018	3070.00			.F.	---	---	---
Calcium	25	SB-066-007	1700.00			.T.	---	---	---
Calcium	30	SB-066-010	1580.00			.F.	---	---	---
Calcium	30	SB-067-015	2170.00			.F.	---	---	---
Calcium	35	SB-055-022	1430.00			.F.	---	---	---
Calcium	35	SB-066-013	5790.00			.T.	---	---	---
Calcium	35	SB-067-018	9730.00			.F.	---	---	---
Calcium	40	SB-066-016	5410.00			.F.	---	---	---
Calcium	40	SB-067-002	6590.00			.T.	---	---	---
Calcium	45	SB-066-019	2450.00			.T.	---	---	---
Chromium	0	SB-055-001	23.70			.T.	560.00	2500.00	5.00
Chromium	0	SB-055-002	20.90			.T.	560.00	2500.00	5.00
Chromium	0	SB-067-004	25.50			.T.	560.00	2500.00	5.00
Chromium	5	SB-055-005	34.20			.T.	560.00	2500.00	5.00
Chromium	5	SB-066-002	24.40			.F.	560.00	2500.00	5.00
Chromium	10	SB-055-008	33.50			.F.	560.00	2500.00	5.00
Chromium	20	SB-066-004	31.40			.F.	560.00	2500.00	5.00
Chromium	20	SB-066-005	11.30			.F.	560.00	2500.00	5.00
Chromium	25	SB-055-018	16.10			.F.	560.00	2500.00	5.00
Chromium	25	SB-066-007	6.60			.T.	560.00	2500.00	5.00
Chromium	30	SB-066-010	5.48			.F.	560.00	2500.00	5.00
Chromium	30	SB-067-015	6.57			.F.	560.00	2500.00	5.00
Chromium	35	SB-055-022	5.39			.F.	560.00	2500.00	5.00
Chromium	35	SB-066-013	15.20			.T.	560.00	2500.00	5.00
Chromium	35	SB-067-018	41.30			.F.	560.00	2500.00	5.00
Chromium	40	SB-066-016	25.20			.F.	560.00	2500.00	5.00
Chromium	40	SB-067-002	30.70			.T.	560.00	2500.00	5.00
Chromium	45	SB-066-019	11.20			.T.	560.00	2500.00	5.00
Cobalt	0	SB-055-001	12.80			.T.	80.00	8000.00	---
Cobalt	0	SB-055-002	9.80	L	J	.T.	80.00	8000.00	---
Cobalt	0	SB-067-004	11.30			.T.	80.00	8000.00	---
Cobalt	5	SB-055-005	12.00			.T.	80.00	8000.00	---
Cobalt	5	SB-066-002	12.20			.F.	80.00	8000.00	---
Cobalt	10	SB-055-008	9.43			.F.	80.00	8000.00	---
Cobalt	20	SB-066-004	10.20			.F.	80.00	8000.00	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Cobalt	20	SB-066-005	7.14			.F.	80.00	8000.00	---
Cobalt	25	SB-055-018	9.30			.F.	80.00	8000.00	---
Cobalt	25	SB-066-007	4.40	L	J	.T.	80.00	8000.00	---
Cobalt	30	SB-066-010	4.01			.F.	80.00	8000.00	---
Cobalt	30	SB-067-015	4.72			.F.	80.00	8000.00	---
Cobalt	35	SB-055-022	2.79			.F.	80.00	8000.00	---
Cobalt	35	SB-066-013	9.00	L	J	.T.	80.00	8000.00	---
Cobalt	35	SB-067-018	19.30			.F.	80.00	8000.00	---
Cobalt	40	SB-066-016	15.10			.F.	80.00	8000.00	---
Cobalt	40	SB-067-002	12.60			.T.	80.00	8000.00	---
Cobalt	45	SB-066-019	5.60	L	J	.T.	80.00	8000.00	---
Copper	0	SB-055-001	38.80		J	.T.	25.00	2500.00	---
Copper	0	SB-055-002	25.10		J	.T.	25.00	2500.00	---
Copper	0	SB-067-004	33.10		J	.T.	25.00	2500.00	---
Copper	5	SB-055-005	45.40		J	.T.	25.00	2500.00	---
Copper	5	SB-066-002	31.40			.F.	25.00	2500.00	---
Copper	10	SB-055-008	43.60			.F.	25.00	2500.00	---
Copper	20	SB-066-004	45.70			.F.	25.00	2500.00	---
Copper	20	SB-066-005	11.00			.F.	25.00	2500.00	---
Copper	25	SB-055-018	17.90			.F.	25.00	2500.00	---
Copper	25	SB-066-007	13.30		J	.T.	25.00	2500.00	---
Copper	30	SB-066-010	5.45			.F.	25.00	2500.00	---
Copper	30	SB-067-015	8.46			.F.	25.00	2500.00	---
Copper	35	SB-055-022	5.17			.F.	25.00	2500.00	---
Copper	35	SB-066-013	21.60		J	.T.	25.00	2500.00	---
Copper	35	SB-067-018	54.30			.F.	25.00	2500.00	---
Copper	40	SB-066-016	29.30			.F.	25.00	2500.00	---
Copper	40	SB-067-002	21.90		J	.T.	25.00	2500.00	---
Copper	45	SB-066-019	10.80		J	.T.	25.00	2500.00	---
Iron	0	SB-055-001	21600.00			.T.	---	---	---
Iron	0	SB-055-002	21100.00			.T.	---	---	---
Iron	0	SB-067-004	26000.00			.T.	---	---	---
Iron	5	SB-055-005	26000.00			.T.	---	---	---
Iron	5	SB-066-002	21500.00			.F.	---	---	---
Iron	10	SB-055-008	17700.00			.F.	---	---	---
Iron	20	SB-066-004	21400.00			.F.	---	---	---
Iron	20	SB-066-005	14900.00			.F.	---	---	---
Iron	25	SB-055-018	17800.00			.F.	---	---	---
Iron	25	SB-066-007	6840.00			.T.	---	---	---
Iron	30	SB-066-010	5960.00			.F.	---	---	---
Iron	30	SB-067-015	8720.00			.F.	---	---	---
Iron	35	SB-055-022	5820.00			.F.	---	---	---
Iron	35	SB-066-013	18400.00			.T.	---	---	---
Iron	35	SB-067-018	33700.00			.F.	---	---	---
Iron	40	SB-066-016	27900.00			.F.	---	---	---
Iron	40	SB-067-002	27500.00			.T.	---	---	---
Iron	45	SB-066-019	11900.00			.T.	---	---	---
Lead	0	SB-055-001	5.40			.T.	5.00	1000.00	5.00

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Lead	0	SB-055-002	33.30			.T.	5.00	1000.00	5.00
Lead	0	SB-067-004	52.80			.T.	5.00	1000.00	5.00
Lead	5	SB-055-005	110.00			.T.	5.00	1000.00	5.00
Lead	5	SB-066-002	27.30			.F.	5.00	1000.00	5.00
Lead	10	SB-055-008	543.00			.F.	5.00	1000.00	5.00
Lead	20	SB-066-004	836.00			.F.	5.00	1000.00	5.00
Lead	20	SB-066-005	53.90			.F.	5.00	1000.00	5.00
Lead	25	SB-055-018	6.02			.F.	5.00	1000.00	5.00
Lead	25	SB-066-007	1.60			.T.	5.00	1000.00	5.00
Lead	30	SB-066-010	4.33			.F.	5.00	1000.00	5.00
Lead	30	SB-067-015	5.98			.F.	5.00	1000.00	5.00
Lead	35	SB-055-022	5.26			.F.	5.00	1000.00	5.00
Lead	35	SB-066-013	4.00			.T.	5.00	1000.00	5.00
Lead	35	SB-067-018	10.70			.F.	5.00	1000.00	5.00
Lead	40	SB-066-016	6.30			.F.	5.00	1000.00	5.00
Lead	40	SB-067-002	11.40			.T.	5.00	1000.00	5.00
Lead	45	SB-066-019	3.30			.T.	5.00	1000.00	5.00
Magnesium	0	SB-055-001	5340.00			.T.	---	---	---
Magnesium	0	SB-055-002	5860.00			.T.	---	---	---
Magnesium	0	SB-067-004	6650.00			.T.	---	---	---
Magnesium	5	SB-055-005	7030.00			.T.	---	---	---
Magnesium	5	SB-066-002	8180.00			.F.	---	---	---
Magnesium	10	SB-055-008	5520.00			.F.	---	---	---
Magnesium	20	SB-066-004	8230.00			.F.	---	---	---
Magnesium	20	SB-066-005	4980.00			.F.	---	---	---
Magnesium	25	SB-055-018	4850.00			.F.	---	---	---
Magnesium	25	SB-066-007	1670.00			.T.	---	---	---
Magnesium	30	SB-066-010	1440.00			.F.	---	---	---
Magnesium	30	SB-067-015	2680.00			.F.	---	---	---
Magnesium	35	SB-055-022	1550.00			.F.	---	---	---
Magnesium	35	SB-066-013	5090.00			.T.	---	---	---
Magnesium	35	SB-067-018	13100.00			.F.	---	---	---
Magnesium	40	SB-066-016	8960.00			.F.	---	---	---
Magnesium	40	SB-067-002	6840.00			.T.	---	---	---
Magnesium	45	SB-066-019	2950.00			.T.	---	---	---
Manganese	0	SB-055-001	551.00			.T.	---	---	---
Manganese	0	SB-055-002	343.00			.T.	---	---	---
Manganese	0	SB-067-004	370.00			.T.	---	---	---
Manganese	5	SB-055-005	399.00			.T.	---	---	---
Manganese	5	SB-066-002	408.00			.F.	---	---	---
Manganese	10	SB-055-008	330.00			.F.	---	---	---
Manganese	20	SB-066-004	322.00			.F.	---	---	---
Manganese	20	SB-066-005	256.00			.F.	---	---	---
Manganese	25	SB-055-018	286.00			.F.	---	---	---
Manganese	25	SB-066-007	102.00			.T.	---	---	---
Manganese	30	SB-066-010	80.10			.F.	---	---	---
Manganese	30	SB-067-015	127.00			.F.	---	---	---
Manganese	35	SB-055-022	245.00			.F.	---	---	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
Manganese	35	SB-066-013	252.00			.T.	---	---	---
Manganese	35	SB-067-018	674.00			.F.	---	---	---
Manganese	40	SB-066-016	462.00			.F.	---	---	---
Manganese	40	SB-067-002	396.00			.T.	---	---	---
Manganese	45	SB-066-019	180.00			.T.	---	---	---
Mercury	0	SB-067-004	0.18		J	.T.	0.20	20.00	0.20
Mercury	5	SB-055-005	0.20		J	.T.	0.20	20.00	0.20
Mercury	5	SB-066-002	0.08			.F.	0.20	20.00	0.20
Mercury	10	SB-055-008	0.20			.F.	0.20	20.00	0.20
Mercury	20	SB-066-004	0.18			.F.	0.20	20.00	0.20
Mercury	20	SB-066-005	0.02			.F.	0.20	20.00	0.20
Mercury	25	SB-055-018	0.02			.F.	0.20	20.00	0.20
Mercury	30	SB-066-010	0.07			.F.	0.20	20.00	0.20
Mercury	30	SB-067-015	0.12			.F.	0.20	20.00	0.20
Mercury	35	SB-055-022	0.03			.F.	0.20	20.00	0.20
Mercury	35	SB-067-018	0.10			.F.	0.20	20.00	0.20
Mercury	40	SB-066-016	0.08			.F.	0.20	20.00	0.20
Mercury	40	SB-067-002	0.14		J	.T.	0.20	20.00	0.20
Molybdenum	0	SB-067-004	3.90			.T.	350.00	3500.00	---
Molybdenum	5	SB-055-005	1.70			.T.	350.00	3500.00	---
Molybdenum	5	SB-066-002	0.63			.F.	350.00	3500.00	---
Molybdenum	10	SB-055-008	3.31			.F.	350.00	3500.00	---
Molybdenum	20	SB-066-004	2.98			.F.	350.00	3500.00	---
Molybdenum	20	SB-066-005	1.78			.F.	350.00	3500.00	---
Molybdenum	25	SB-055-018	0.48			.F.	350.00	3500.00	---
Molybdenum	30	SB-066-010	0.48			.F.	350.00	3500.00	---
Molybdenum	30	SB-067-015	0.51			.F.	350.00	3500.00	---
Molybdenum	35	SB-055-022	0.51			.F.	350.00	3500.00	---
Molybdenum	35	SB-067-018	0.61			.F.	350.00	3500.00	---
Molybdenum	40	SB-066-016	0.53			.F.	350.00	3500.00	---
Molybdenum	40	SB-067-002	1.00	L	J	.T.	350.00	3500.00	---
Nickel	0	SB-055-001	16.30			.T.	20.00	2000.00	---
Nickel	0	SB-055-002	18.80			.T.	20.00	2000.00	---
Nickel	0	SB-067-004	31.40			.T.	20.00	2000.00	---
Nickel	5	SB-055-005	30.80			.T.	20.00	2000.00	---
Nickel	5	SB-066-002	19.70			.F.	20.00	2000.00	---
Nickel	10	SB-055-008	28.20			.F.	20.00	2000.00	---
Nickel	20	SB-066-004	62.70			.F.	20.00	2000.00	---
Nickel	20	SB-066-005	20.60			.F.	20.00	2000.00	---
Nickel	25	SB-055-018	12.80			.F.	20.00	2000.00	---
Nickel	25	SB-066-007	4.30	L	J	.T.	20.00	2000.00	---
Nickel	30	SB-066-010	3.61			.F.	20.00	2000.00	---
Nickel	30	SB-067-015	5.24			.F.	20.00	2000.00	---
Nickel	35	SB-055-022	3.62			.F.	20.00	2000.00	---
Nickel	35	SB-066-013	12.50			.T.	20.00	2000.00	---
Nickel	35	SB-067-018	33.10			.F.	20.00	2000.00	---
Nickel	40	SB-066-016	20.30			.F.	20.00	2000.00	---
Nickel	40	SB-067-002	22.00			.T.	20.00	2000.00	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Nickel	45	SB-066-019	7.70	L	J	.Y.	20.00	2000.00	---
Potassium	0	SB-055-001	5130.00			.T.	---	---	---
Potassium	0	SB-055-002	3520.00			.T.	---	---	---
Potassium	0	SB-067-004	4980.00			.T.	---	---	---
Potassium	5	SB-055-005	4200.00			.T.	---	---	---
Potassium	5	SB-066-002	4300.00			.F.	---	---	---
Potassium	10	SB-055-008	3000.00			.F.	---	---	---
Potassium	20	SB-066-004	3860.00			.F.	---	---	---
Potassium	20	SB-066-005	2630.00			.F.	---	---	---
Potassium	25	SB-055-018	3060.00			.F.	---	---	---
Potassium	25	SB-066-007	1060.00			.T.	---	---	---
Potassium	30	SB-066-010	816.00			.F.	---	---	---
Potassium	30	SB-067-015	1200.00			.F.	---	---	---
Potassium	35	SB-055-022	849.00			.F.	---	---	---
Potassium	35	SB-066-013	3130.00			.T.	---	---	---
Potassium	35	SB-067-018	5520.00			.F.	---	---	---
Potassium	40	SB-066-016	6210.00			.F.	---	---	---
Potassium	40	SB-067-002	3400.00			.T.	---	---	---
Potassium	45	SB-066-019	1700.00			.T.	---	---	---
Selenium	0	SB-067-004	0.55	L	J	.T.	1.00	100.00	1.00
Selenium	5	SB-066-002	0.23			.F.	1.00	100.00	1.00
Selenium	10	SB-055-008	0.47			.F.	1.00	100.00	1.00
Selenium	20	SB-066-004	0.99			.F.	1.00	100.00	1.00
Selenium	20	SB-066-005	0.32			.F.	1.00	100.00	1.00
Selenium	25	SB-055-018	0.24			.F.	1.00	100.00	1.00
Selenium	30	SB-066-010	0.19			.F.	1.00	100.00	1.00
Selenium	30	SB-067-015	0.20			.F.	1.00	100.00	1.00
Selenium	35	SB-055-022	0.26			.F.	1.00	100.00	1.00
Selenium	35	SB-067-018	0.24			.F.	1.00	100.00	1.00
Selenium	40	SB-066-016	0.21			.F.	1.00	100.00	1.00
Silver	5	SB-066-002	0.66			.F.	5.00	500.00	5.00
Silver	10	SB-055-008	0.61			.F.	5.00	500.00	5.00
Silver	20	SB-066-004	0.88			.F.	5.00	500.00	5.00
Silver	20	SB-066-005	0.61			.F.	5.00	500.00	5.00
Silver	25	SB-055-018	0.59			.F.	5.00	500.00	5.00
Silver	30	SB-066-010	0.43			.F.	5.00	500.00	5.00
Silver	30	SB-067-015	0.59			.F.	5.00	500.00	5.00
Silver	35	SB-055-022	0.52			.F.	5.00	500.00	5.00
Silver	35	SB-067-018	0.63			.F.	5.00	500.00	5.00
Silver	40	SB-066-016	0.62			.F.	5.00	500.00	5.00
Sodium	0	SB-055-001	778.00	L	J	.T.	---	---	---
Sodium	0	SB-055-002	262.00	L	J	.T.	---	---	---
Sodium	0	SB-067-004	253.00	L	J	.T.	---	---	---
Sodium	5	SB-055-005	633.00	L	J	.T.	---	---	---
Sodium	5	SB-066-002	595.00			.F.	---	---	---
Sodium	10	SB-055-008	1610.00			.F.	---	---	---
Sodium	20	SB-066-004	2830.00			.F.	---	---	---
Sodium	20	SB-066-005	1080.00			.F.	---	---	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Sodium	25	SB-055-018	178.00			.F.	---	---	---
Sodium	25	SB-066-007	118.00	L	J	.T.	---	---	---
Sodium	30	SB-066-010	124.00			.F.	---	---	---
Sodium	30	SB-067-015	284.00			.F.	---	---	---
Sodium	35	SB-055-022	130.00			.F.	---	---	---
Sodium	35	SB-066-013	196.00	L	J	.T.	---	---	---
Sodium	35	SB-067-018	778.00			.F.	---	---	---
Sodium	40	SB-066-016	303.00			.F.	---	---	---
Sodium	40	SB-067-002	217.00	L	J	.T.	---	---	---
Sodium	45	SB-066-019	153.00	L	J	.T.	---	---	---
Thallium	5	SB-066-002	16.70			.F.	7.00	700.00	---
Thallium	10	SB-055-008	19.80			.F.	7.00	700.00	---
Thallium	20	SB-066-004	22.40			.F.	7.00	700.00	---
Thallium	20	SB-066-005	15.40			.F.	7.00	700.00	---
Thallium	25	SB-055-018	27.60			.F.	7.00	700.00	---
Thallium	30	SB-066-010	10.80			.F.	7.00	700.00	---
Thallium	30	SB-067-015	14.90			.F.	7.00	700.00	---
Thallium	35	SB-055-022	13.10			.F.	7.00	700.00	---
Thallium	35	SB-067-018	15.90			.F.	7.00	700.00	---
Thallium	40	SB-066-016	15.80			.F.	7.00	700.00	---
Vanadium	0	SB-055-001	39.40			.T.	24.00	2400.00	---
Vanadium	0	SB-055-002	40.80			.T.	24.00	2400.00	---
Vanadium	0	SB-067-004	52.70			.T.	24.00	2400.00	---
Vanadium	5	SB-055-005	57.80			.T.	24.00	2400.00	---
Vanadium	5	SB-066-002	44.10			.F.	24.00	2400.00	---
Vanadium	10	SB-055-008	34.90			.F.	24.00	2400.00	---
Vanadium	20	SB-066-004	40.30			.F.	24.00	2400.00	---
Vanadium	20	SB-066-005	29.30			.F.	24.00	2400.00	---
Vanadium	25	SB-055-018	31.90			.F.	24.00	2400.00	---
Vanadium	25	SB-066-007	11.80			.T.	24.00	2400.00	---
Vanadium	30	SB-066-010	11.90			.F.	24.00	2400.00	---
Vanadium	30	SB-067-015	16.60			.F.	24.00	2400.00	---
Vanadium	35	SB-055-022	9.39			.F.	24.00	2400.00	---
Vanadium	35	SB-066-013	33.40			.T.	24.00	2400.00	---
Vanadium	35	SB-067-018	68.50			.F.	24.00	2400.00	---
Vanadium	40	SB-066-016	61.30			.F.	24.00	2400.00	---
Vanadium	40	SB-067-002	58.20			.T.	24.00	2400.00	---
Vanadium	45	SB-066-019	22.20			.T.	24.00	2400.00	---
Zinc	0	SB-055-001	61.60			.T.	250.00	5000.00	---
Zinc	0	SB-055-002	61.60			.T.	250.00	5000.00	---
Zinc	0	SB-067-004	111.00			.T.	250.00	5000.00	---
Zinc	5	SB-055-005	129.00			.T.	250.00	5000.00	---
Zinc	5	SB-066-002	76.40			.F.	250.00	5000.00	---
Zinc	10	SB-055-008	203.00			.F.	250.00	5000.00	---
Zinc	20	SB-066-004	121.00			.F.	250.00	5000.00	---
Zinc	20	SB-066-005	48.10			.F.	250.00	5000.00	---
Zinc	25	SB-055-018	43.50			.F.	250.00	5000.00	---
Zinc	25	SB-066-007	18.30			.T.	250.00	5000.00	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Zinc	30	SB-066-010	17.70			.F.	250.00	5000.00	---
Zinc	30	SB-067-015	26.20			.F.	250.00	5000.00	---
Zinc	35	SB-055-022	19.30			.F.	250.00	5000.00	---
Zinc	35	SB-066-013	39.40			.T.	250.00	5000.00	---
Zinc	35	SB-067-018	88.50			.F.	250.00	5000.00	---
Zinc	40	SB-066-016	74.60			.F.	250.00	5000.00	---
Zinc	40	SB-067-002	71.80			.T.	250.00	5000.00	---
Zinc	45	SB-066-019	40.30			.T.	250.00	5000.00	---
** PESTICIDES									
4,4'-DDE	0	SB-067-001	73.00	J		.F.	---	---	---
4,4'-DDT	0	SB-067-001	160.00			.F.	---	---	---
4,4'-DDT	5	SB-055-004	66.00			.F.	---	---	---
4,4'-DDT	5	SB-055-004	66.00			.F.	---	---	---
alpha-Chlordane	0	SB-067-001	5.50	J		.F.	---	---	---
gamma-Chlordane	0	SB-067-001	6.00	J		.F.	---	---	---
** SEMI-VOLATILES									
2-Methylnaphthalene	45	SB-067-023	180.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-055-004	220.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-055-004	220.00	J		.F.	---	---	---
Fluoranthene	5	SB-055-004	280.00	J		.F.	---	---	---
Fluoranthene	5	SB-055-004	280.00	J		.F.	---	---	---
Naphthalene	45	SB-067-023	55.00	J		.F.	---	---	---
Phenanthrene	5	SB-055-004	250.00	J		.F.	---	---	---
Phenanthrene	5	SB-055-004	250.00	J		.F.	---	---	---
Phenanthrene	45	SB-067-023	52.00	J		.F.	---	---	---
Pyrene	5	SB-055-004	300.00	J		.F.	---	---	---
Pyrene	5	SB-055-004	300.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-055-001	340.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-055-001	340.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-067-001	130.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-055-004	310.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-055-004	310.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-067-008	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-066-006	98.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-067-011	120.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-067-020	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	45	SB-067-023	210.00	BJ		.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-055-001	78.00			.F.	---	---	---
2-Butanone	0	SB-055-001	78.00			.F.	---	---	---
2-Butanone	0	SB-067-001	7.00	BJ		.F.	---	---	---
2-Butanone	20	SB-055-014	7.00	J		.F.	---	---	---
2-Butanone	20	SB-055-014	7.00	J		.F.	---	---	---
2-Butanone	20	SB-067-008	8.00	BJ		.F.	---	---	---
2-Butanone	25	SB-066-006	5.00	BJ		.F.	---	---	---

TABLE 4-8 (Continued)

(SW CORNER)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Butanone	25	SB-067-011	6.00	J		.F.	---	---	---
2-Butanone	40	SB-067-020	13.00	B		.F.	---	---	---
2-Butanone	45	SB-067-023	18.00	B		.F.	---	---	---
Acetone	0	SB-055-001	44.00	BJ		.F.	---	---	---
Acetone	0	SB-055-001	44.00	BJ		.F.	---	---	---
Acetone	0	SB-067-001	11.00	B		.F.	---	---	---
Acetone	5	SB-055-004	39.00	BD		.F.	---	---	---
Acetone	5	SB-055-004	39.00	BD		.F.	---	---	---
Acetone	20	SB-055-014	16.00	B		.F.	---	---	---
Acetone	20	SB-055-014	16.00	B		.F.	---	---	---
Acetone	20	SB-067-008	7.00	BJ		.F.	---	---	---
Acetone	25	SB-066-006	5.00	BJ		.F.	---	---	---
Acetone	25	SB-067-011	8.00	J		.F.	---	---	---
Acetone	40	SB-067-020	12.00	B		.F.	---	---	---
Acetone	45	SB-067-023	25.00	B		.F.	---	---	---
Methylene Chloride	0	SB-055-001	18.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-055-001	18.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-067-001	1.00	J		.F.	---	---	---
Methylene Chloride	5	SB-055-004	42.00	BD		.F.	---	---	---
Methylene Chloride	5	SB-055-004	3.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-055-004	42.00	BD		.F.	---	---	---
Methylene Chloride	5	SB-055-004	3.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-055-014	4.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-055-014	4.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-067-008	3.00	BJ		.F.	---	---	---
Methylene Chloride	25	SB-066-006	2.00	BJ		.F.	---	---	---
Methylene Chloride	45	SB-067-023	2.00	BJ		.F.	---	---	---
Tetrachloroethene	5	SB-055-004	39.00	D		.F.	---	---	---
Tetrachloroethene	5	SB-055-004	2.00	J		.F.	---	---	---
Tetrachloroethene	5	SB-055-004	2.00	J		.F.	---	---	---
Tetrachloroethene	5	SB-055-004	39.00	D		.F.	---	---	---
Toluene	0	SB-055-001	500.00			.F.	---	---	---
Toluene	0	SB-055-001	500.00			.F.	---	---	---
Toluene	0	SB-067-001	12.00			.F.	---	---	---
Toluene	5	SB-055-004	500.00	E		.F.	---	---	---
Toluene	5	SB-055-004	500.00	E		.F.	---	---	---
Toluene	5	SB-055-004	260.00	D		.F.	---	---	---
Toluene	5	SB-055-004	260.00	D		.F.	---	---	---
Toluene	20	SB-067-008	3.00	J		.F.	---	---	---
Toluene	25	SB-066-006	3.00	J		.F.	---	---	---
Toluene	40	SB-067-020	2.00	J		.F.	---	---	---

TABLE 4-9

CHEMICAL CHARACTERISTICS - AREA 3
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED
** METALS						
Aluminum	30	SB-013-012	5020.00			.F.
Aluminum	35	SB-013-013	9860.00			.F.
Aluminum	35	SB-013-014	10500.00			.F.
Aluminum	35	SB-028-015	3790.00			.F.
Antimony	30	SB-013-012	2.60			.F.
Antimony	35	SB-013-013	2.70			.F.
Antimony	35	SB-013-014	2.70			.F.
Antimony	35	SB-028-015	2.60			.F.
Arsenic	30	SB-013-012	2.24			.F.
Arsenic	35	SB-013-013	2.89			.F.
Arsenic	35	SB-013-014	2.35			.F.
Arsenic	35	SB-028-015	1.89			.F.
Barium	30	SB-013-012	58.50			.F.
Barium	35	SB-013-013	103.00			.F.
Barium	35	SB-013-014	107.00			.F.
Barium	35	SB-028-015	51.50			.F.
Beryllium	30	SB-013-012	0.19			.F.
Beryllium	35	SB-013-013	0.19			.F.
Beryllium	35	SB-013-014	0.19			.F.
Beryllium	35	SB-028-015	0.14			.F.
Cadmium	30	SB-013-012	0.25			.F.
Cadmium	35	SB-013-013	0.47			.F.
Cadmium	35	SB-013-014	0.25			.F.
Cadmium	35	SB-028-015	0.83			.F.
Calcium	30	SB-013-012	2320.00			.F.
Calcium	35	SB-013-013	3670.00			.F.
Calcium	35	SB-013-014	4170.00			.F.
Calcium	35	SB-028-015	1360.00			.F.
Chromium	30	SB-013-012	12.30			.F.
Chromium	35	SB-013-013	17.70			.F.
Chromium	35	SB-013-014	16.70			.F.
Chromium	35	SB-028-015	6.42			.F.
Cobalt	30	SB-013-012	5.23			.F.
Cobalt	35	SB-013-013	9.43			.F.
Cobalt	35	SB-013-014	10.10			.F.
Cobalt	35	SB-028-015	3.80			.F.
Copper	30	SB-013-012	7.43			.F.
Copper	35	SB-013-013	15.90			.F.
Copper	35	SB-013-014	17.00			.F.
Copper	35	SB-028-015	5.82			.F.
Iron	30	SB-013-012	8460.00			.F.
Iron	35	SB-013-013	16500.00			.F.
Iron	35	SB-013-014	17300.00			.F.

TABLE 4-9 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED
Iron	35	SB-028-015	7420.00			.F.
Lead	30	SB-013-012	3.22			.F.
Lead	35	SB-013-013	7.42			.F.
Lead	35	SB-013-014	15.60			.F.
Lead	35	SB-028-015	2.34			.F.
Magnesium	30	SB-013-012	2150.00			.F.
Magnesium	35	SB-013-013	4930.00			.F.
Magnesium	35	SB-013-014	5310.00			.F.
Magnesium	35	SB-028-015	2310.00			.F.
Manganese	30	SB-013-012	123.00			.F.
Manganese	35	SB-013-013	386.00			.F.
Manganese	35	SB-013-014	348.00			.F.
Manganese	35	SB-028-015	149.00			.F.
Mercury	30	SB-013-012	0.06			.F.
Mercury	35	SB-013-013	0.05			.F.
Mercury	35	SB-013-014	0.05			.F.
Mercury	35	SB-028-015	0.02			.F.
Molybdenum	30	SB-013-012	0.23			.F.
Molybdenum	35	SB-013-013	0.38			.F.
Molybdenum	35	SB-013-014	0.23			.F.
Molybdenum	35	SB-028-015	0.48			.F.
Nickel	30	SB-013-012	5.13			.F.
Nickel	35	SB-013-013	15.10			.F.
Nickel	35	SB-013-014	15.90			.F.
Nickel	35	SB-028-015	4.77			.F.
Potassium	30	SB-013-012	1240.00			.F.
Potassium	35	SB-013-013	3250.00			.F.
Potassium	35	SB-013-014	3520.00			.F.
Potassium	35	SB-028-015	1070.00			.F.
Selenium	30	SB-013-012	0.24			.F.
Selenium	35	SB-013-013	0.21			.F.
Selenium	35	SB-013-014	0.24			.F.
Selenium	35	SB-028-015	0.24			.F.
Silver	30	SB-013-012	0.83			.F.
Silver	35	SB-013-013	0.85			.F.
Silver	35	SB-013-014	0.84			.F.
Silver	35	SB-028-015	0.61			.F.
Sodium	30	SB-013-012	252.00			.F.
Sodium	35	SB-013-013	272.00			.F.
Sodium	35	SB-013-014	269.00			.F.
Sodium	35	SB-028-015	238.00			.F.
Thallium	30	SB-013-012	10.60			.F.
Thallium	35	SB-013-013	10.80			.F.
Thallium	35	SB-013-014	10.70			.F.
Thallium	35	SB-028-015	7.72			.F.

TABLE 4-9 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED
Vanadium	30	SB-013-012	19.60			.F.
Vanadium	35	SB-013-013	31.10			.F.
Vanadium	35	SB-013-014	32.50			.F.
Vanadium	35	SB-028-015	13.40			.F.
Zinc	30	SB-013-012	27.20			.F.
Zinc	35	SB-013-013	64.70			.F.
Zinc	35	SB-013-014	65.80			.F.
Zinc	35	SB-028-015	23.70			.F.
** SEMI-VOLATILES						
Benzo(a)anthracene	0	SB-028-001	180.00		J	.T.
Benzo(a)pyrene	0	SB-028-001	210.00		J	.T.
Benzo(b)fluoranthene	0	SB-028-001	340.00		J	.T.
Chrysene	0	SB-028-001	200.00		J	.T.
Di-n-butylphthalate	0	SB-028-001	98.00		J	.T.
Di-n-butylphthalate	5	SB-028-004	180.00		J	.T.
Di-n-butylphthalate	10	SB-028-007	170.00		J	.T.
Di-n-butylphthalate	30	SB-013-010	200.00	J		.F.
Di-n-butylphthalate	35	SB-028-014	220.00	BJ		.F.
Fluoranthene	0	SB-028-001	170.00		J	.T.
Pyrene	0	SB-028-001	280.00		J	.T.
bis(2-Ethylhexyl)phthalate	10	SB-013-004	66.00	J		.F.
bis(2-Ethylhexyl)phthalate	30	SB-013-010	36.00	J		.F.
** VOLATILES						
2-Butanone	0	SB-028-001	25.00		J	.T.
2-Butanone	5	SB-028-004	100.00		J	.T.
2-Butanone	10	SB-013-004	36.00			.F.
2-Butanone	10	SB-028-007	80.00		J	.T.
2-Butanone	20	SB-028-011	9.00		J	.T.
2-Butanone	30	SB-013-010	74.00			.F.
4-Methyl-2-Pentanone	5	SB-028-004	2.00		J	.T.
Acetone	5	SB-028-004	240.00			.T.
Acetone	10	SB-013-004	43.00			.F.
Acetone	30	SB-013-010	33.00			.F.
Chloroform	10	SB-013-004	2.00	J		.F.
Methylene Chloride	10	SB-013-004	11.00	B		.F.
Methylene Chloride	30	SB-013-010	8.00	B		.F.
Toluene	0	SB-028-001	150.00			.T.
Toluene	5	SB-028-004	62.00			.T.
Toluene	10	SB-028-007	130.00			.T.

TABLE 4-10

CHEMICAL CHARACTERISTICS - AREA 4
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	5	SB-041-005	8710.00			.F.	---	---	---
Aluminum	10	SB-062-006	21400.00			.F.	---	---	---
Aluminum	10	SB-062-007	28500.00			.T.	---	---	---
Aluminum	15	SB-041-008	14800.00			.F.	---	---	---
Aluminum	30	SB-030-013	9110.00			.F.	---	---	---
Aluminum	30	SB-051-011	4750.00			.F.	---	---	---
Aluminum	35	SB-028-015	3790.00			.F.	---	---	---
Aluminum	35	SB-041-017	3620.00			.F.	---	---	---
Aluminum	35	SB-042-011	11300.00			.F.	---	---	---
Aluminum	35	SB-051-015	12600.00			.F.	---	---	---
Aluminum	40	SB-030-022	14200.00			.F.	---	---	---
Aluminum	45	SB-030-025	2720.00			.F.	---	---	---
Antimony	5	SB-041-005	3.30			.F.	15.00	500.00	---
Antimony	10	SB-062-006	5.90			.F.	15.00	500.00	---
Antimony	10	SB-062-007	5.90	L	J	.T.	15.00	500.00	---
Antimony	15	SB-041-008	3.70			.F.	15.00	500.00	---
Antimony	30	SB-030-013	2.40			.F.	15.00	500.00	---
Antimony	30	SB-051-011	2.90			.F.	15.00	500.00	---
Antimony	35	SB-028-015	2.60			.F.	15.00	500.00	---
Antimony	35	SB-041-017	2.60			.F.	15.00	500.00	---
Antimony	35	SB-042-011	4.20			.F.	15.00	500.00	---
Antimony	35	SB-051-015	3.00			.F.	15.00	500.00	---
Antimony	40	SB-030-022	3.10			.F.	15.00	500.00	---
Antimony	45	SB-030-025	3.00			.F.	15.00	500.00	---
Arsenic	5	SB-041-005	3.67			.F.	5.00	500.00	5.00
Arsenic	10	SB-062-006	7.72			.F.	5.00	500.00	5.00
Arsenic	10	SB-062-007	13.90			.T.	5.00	500.00	5.00
Arsenic	15	SB-041-008	6.16			.F.	5.00	500.00	5.00
Arsenic	30	SB-030-013	2.73			.F.	5.00	500.00	5.00
Arsenic	30	SB-051-011	2.29			.F.	5.00	500.00	5.00
Arsenic	35	SB-028-015	1.89			.F.	5.00	500.00	5.00
Arsenic	35	SB-041-017	1.62			.F.	5.00	500.00	5.00
Arsenic	35	SB-042-011	6.04			.F.	5.00	500.00	5.00
Arsenic	35	SB-051-015	7.04			.F.	5.00	500.00	5.00
Arsenic	40	SB-030-022	2.95			.F.	5.00	500.00	5.00
Arsenic	45	SB-030-025	1.60			.F.	5.00	500.00	5.00
Barium	5	SB-041-005	189.00			.F.	100.00	10000.00	100.00
Barium	10	SB-062-006	170.00			.F.	100.00	10000.00	100.00
Barium	10	SB-062-007	218.00			.T.	100.00	10000.00	100.00
Barium	15	SB-041-008	356.00			.F.	100.00	10000.00	100.00
Barium	30	SB-030-013	96.20			.F.	100.00	10000.00	100.00
Barium	30	SB-051-011	90.80			.F.	100.00	10000.00	100.00
Barium	35	SB-028-015	51.50			.F.	100.00	10000.00	100.00
Barium	35	SB-041-017	38.40			.F.	100.00	10000.00	100.00
Barium	35	SB-042-011	143.00			.F.	100.00	10000.00	100.00
Barium	35	SB-051-015	173.00			.F.	100.00	10000.00	100.00
Barium	40	SB-030-022	124.00			.F.	100.00	10000.00	100.00

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Barium	45	SB-030-025	27.60			.F.	100.00	10000.00	100.00
Beryllium	5	SB-041-005	0.24			.F.	0.75	75.00	---
Beryllium	10	SB-062-006	0.46			.F.	0.75	75.00	---
Beryllium	10	SB-062-007	0.62	L	J	.T.	0.75	75.00	---
Beryllium	15	SB-041-008	0.27			.F.	0.75	75.00	---
Beryllium	30	SB-030-013	0.17			.F.	0.75	75.00	---
Beryllium	30	SB-051-011	0.26			.F.	0.75	75.00	---
Beryllium	35	SB-028-015	0.14			.F.	0.75	75.00	---
Beryllium	35	SB-041-017	0.18			.F.	0.75	75.00	---
Beryllium	35	SB-042-011	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-051-015	0.22			.F.	0.75	75.00	---
Beryllium	40	SB-030-022	0.22			.F.	0.75	75.00	---
Beryllium	45	SB-030-025	0.21			.F.	0.75	75.00	---
Cadmium	5	SB-041-005	1.24			.F.	1.00	100.00	1.00
Cadmium	10	SB-062-006	0.52			.F.	1.00	100.00	1.00
Cadmium	15	SB-041-008	1.03			.F.	1.00	100.00	1.00
Cadmium	30	SB-030-013	0.44			.F.	1.00	100.00	1.00
Cadmium	30	SB-051-011	0.27			.F.	1.00	100.00	1.00
Cadmium	35	SB-028-015	0.83			.F.	1.00	100.00	1.00
Cadmium	35	SB-041-017	0.24			.F.	1.00	100.00	1.00
Cadmium	35	SB-042-011	0.78			.F.	1.00	100.00	1.00
Cadmium	35	SB-051-015	0.38			.F.	1.00	100.00	1.00
Cadmium	40	SB-030-022	0.29			.F.	1.00	100.00	1.00
Cadmium	45	SB-030-025	0.28			.F.	1.00	100.00	1.00
Calcium	5	SB-041-005	48500.00			.F.	---	---	---
Calcium	10	SB-062-006	2260.00			.F.	---	---	---
Calcium	10	SB-062-007	4570.00			.T.	---	---	---
Calcium	15	SB-041-008	14000.00			.F.	---	---	---
Calcium	30	SB-030-013	3370.00			.F.	---	---	---
Calcium	30	SB-051-011	1870.00			.F.	---	---	---
Calcium	35	SB-028-015	1360.00			.F.	---	---	---
Calcium	35	SB-041-017	2170.00			.F.	---	---	---
Calcium	35	SB-042-011	4740.00			.F.	---	---	---
Calcium	35	SB-051-015	4390.00			.F.	---	---	---
Calcium	40	SB-030-022	5320.00			.F.	---	---	---
Calcium	45	SB-030-025	1300.00			.F.	---	---	---
Chromium	5	SB-041-005	18.40			.F.	560.00	2500.00	5.00
Chromium	10	SB-062-006	29.30			.F.	560.00	2500.00	5.00
Chromium	10	SB-062-007	43.20			.T.	560.00	2500.00	5.00
Chromium	15	SB-041-008	35.40			.F.	560.00	2500.00	5.00
Chromium	30	SB-030-013	16.20			.F.	560.00	2500.00	5.00
Chromium	30	SB-051-011	7.47			.F.	560.00	2500.00	5.00
Chromium	35	SB-028-015	6.42			.F.	560.00	2500.00	5.00
Chromium	35	SB-041-017	6.59			.F.	560.00	2500.00	5.00
Chromium	35	SB-042-011	17.90			.F.	560.00	2500.00	5.00
Chromium	35	SB-051-015	20.60			.F.	560.00	2500.00	5.00
Chromium	40	SB-030-022	29.30			.F.	560.00	2500.00	5.00
Chromium	45	SB-030-025	4.18			.F.	560.00	2500.00	5.00

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cobalt	5	SB-041-005	5.72			.F.	80.00	8000.00	---
Cobalt	10	SB-062-006	17.00			.F.	80.00	8000.00	---
Cobalt	10	SB-062-007	19.50			.T.	80.00	8000.00	---
Cobalt	15	SB-041-008	19.60			.F.	80.00	8000.00	---
Cobalt	30	SB-030-013	9.52			.F.	80.00	8000.00	---
Cobalt	30	SB-051-011	4.65			.F.	80.00	8000.00	---
Cobalt	35	SB-028-015	3.80			.F.	80.00	8000.00	---
Cobalt	35	SB-041-017	3.51			.F.	80.00	8000.00	---
Cobalt	35	SB-042-011	11.00			.F.	80.00	8000.00	---
Cobalt	35	SB-051-015	12.00			.F.	80.00	8000.00	---
Cobalt	40	SB-030-022	13.00			.F.	80.00	8000.00	---
Cobalt	45	SB-030-025	2.41			.F.	80.00	8000.00	---
Copper	5	SB-041-005	16.70			.F.	25.00	2500.00	---
Copper	10	SB-062-006	28.70			.F.	25.00	2500.00	---
Copper	10	SB-062-007	87.50		J	.T.	25.00	2500.00	---
Copper	15	SB-041-008	34.00			.F.	25.00	2500.00	---
Copper	30	SB-030-013	17.30			.F.	25.00	2500.00	---
Copper	30	SB-051-011	7.44			.F.	25.00	2500.00	---
Copper	35	SB-028-015	5.82			.F.	25.00	2500.00	---
Copper	35	SB-041-017	6.26			.F.	25.00	2500.00	---
Copper	35	SB-042-011	22.10			.F.	25.00	2500.00	---
Copper	35	SB-051-015	26.90			.F.	25.00	2500.00	---
Copper	40	SB-030-022	24.00			.F.	25.00	2500.00	---
Copper	45	SB-030-025	4.81			.F.	25.00	2500.00	---
Iron	5	SB-041-005	12700.00			.F.	---	---	---
Iron	10	SB-062-006	30700.00			.F.	---	---	---
Iron	10	SB-062-007	39200.00			.T.	---	---	---
Iron	15	SB-041-008	24100.00			.F.	---	---	---
Iron	30	SB-030-013	16000.00			.F.	---	---	---
Iron	30	SB-051-011	8180.00			.F.	---	---	---
Iron	35	SB-028-015	7420.00			.F.	---	---	---
Iron	35	SB-041-017	6880.00			.F.	---	---	---
Iron	35	SB-042-011	19000.00			.F.	---	---	---
Iron	35	SB-051-015	20900.00			.F.	---	---	---
Iron	40	SB-030-022	23200.00			.F.	---	---	---
Iron	45	SB-030-025	5100.00			.F.	---	---	---
Lead	5	SB-041-005	13.80			.F.	5.00	1000.00	5.00
Lead	10	SB-062-006	6.41			.F.	5.00	1000.00	5.00
Lead	10	SB-062-007	9.60			.T.	5.00	1000.00	5.00
Lead	15	SB-041-008	23.10			.F.	5.00	1000.00	5.00
Lead	30	SB-030-013	4.82			.F.	5.00	1000.00	5.00
Lead	30	SB-051-011	3.46			.F.	5.00	1000.00	5.00
Lead	35	SB-028-015	2.34			.F.	5.00	1000.00	5.00
Lead	35	SB-041-017	3.14			.F.	5.00	1000.00	5.00
Lead	35	SB-042-011	4.66			.F.	5.00	1000.00	5.00
Lead	35	SB-051-015	6.17			.F.	5.00	1000.00	5.00
Lead	40	SB-030-022	8.19			.F.	5.00	1000.00	5.00
Lead	45	SB-030-025	3.60			.F.	5.00	1000.00	5.00

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Magnesium	5	SB-041-005	4130.00			.F.	---	---	---
Magnesium	10	SB-062-006	7270.00			.F.	---	---	---
Magnesium	10	SB-062-007	9460.00			.T.	---	---	---
Magnesium	15	SB-041-008	9150.00			.F.	---	---	---
Magnesium	30	SB-030-013	5060.00			.F.	---	---	---
Magnesium	30	SB-051-011	2350.00			.F.	---	---	---
Magnesium	35	SB-028-015	2310.00			.F.	---	---	---
Magnesium	35	SB-041-017	1980.00			.F.	---	---	---
Magnesium	35	SB-042-011	6930.00			.F.	---	---	---
Magnesium	35	SB-051-015	6460.00			.F.	---	---	---
Magnesium	40	SB-030-022	7970.00			.F.	---	---	---
Magnesium	45	SB-030-025	1560.00			.F.	---	---	---
Manganese	5	SB-041-005	223.00			.F.	---	---	---
Manganese	10	SB-062-006	560.00			.F.	---	---	---
Manganese	10	SB-062-007	744.00			.T.	---	---	---
Manganese	15	SB-041-008	304.00			.F.	---	---	---
Manganese	30	SB-030-013	222.00			.F.	---	---	---
Manganese	30	SB-051-011	116.00			.F.	---	---	---
Manganese	35	SB-028-015	149.00			.F.	---	---	---
Manganese	35	SB-041-017	90.50			.F.	---	---	---
Manganese	35	SB-042-011	468.00			.F.	---	---	---
Manganese	35	SB-051-015	636.00			.F.	---	---	---
Manganese	40	SB-030-022	321.00			.F.	---	---	---
Manganese	45	SB-030-025	84.00			.F.	---	---	---
Mercury	5	SB-041-005	0.28			.F.	0.20	20.00	0.20
Mercury	10	SB-062-006	0.04			.F.	0.20	20.00	0.20
Mercury	10	SB-062-007	0.23		J	.T.	0.20	20.00	0.20
Mercury	15	SB-041-008	0.06			.F.	0.20	20.00	0.20
Mercury	30	SB-030-013	0.06			.F.	0.20	20.00	0.20
Mercury	30	SB-051-011	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-028-015	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-041-017	0.03			.F.	0.20	20.00	0.20
Mercury	35	SB-042-011	0.03			.F.	0.20	20.00	0.20
Mercury	35	SB-051-015	0.05			.F.	0.20	20.00	0.20
Mercury	40	SB-030-022	0.06			.F.	0.20	20.00	0.20
Mercury	45	SB-030-025	0.02			.F.	0.20	20.00	0.20
Molybdenum	5	SB-041-005	1.55			.F.	350.00	3500.00	---
Molybdenum	10	SB-062-006	0.55			.F.	350.00	3500.00	---
Molybdenum	15	SB-041-008	0.52			.F.	350.00	3500.00	---
Molybdenum	30	SB-030-013	0.23			.F.	350.00	3500.00	---
Molybdenum	30	SB-051-011	0.23			.F.	350.00	3500.00	---
Molybdenum	35	SB-028-015	0.48			.F.	350.00	3500.00	---
Molybdenum	35	SB-041-017	0.24			.F.	350.00	3500.00	---
Molybdenum	35	SB-042-011	0.26			.F.	350.00	3500.00	---
Molybdenum	35	SB-051-015	0.27			.F.	350.00	3500.00	---
Molybdenum	40	SB-030-022	0.28			.F.	350.00	3500.00	---
Molybdenum	45	SB-030-025	0.21			.F.	350.00	3500.00	---
Nickel	5	SB-041-005	16.10			.F.	20.00	2000.00	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Nickel	10	SB-062-006	21.50			.F.	20.00	2000.00	---
Nickel	10	SB-062-007	32.60			.T.	20.00	2000.00	---
Nickel	15	SB-041-008	22.20			.F.	20.00	2000.00	---
Nickel	30	SB-030-013	11.00			.F.	20.00	2000.00	---
Nickel	30	SB-051-011	5.32			.F.	20.00	2000.00	---
Nickel	35	SB-028-015	4.77			.F.	20.00	2000.00	---
Nickel	35	SB-041-017	4.42			.F.	20.00	2000.00	---
Nickel	35	SB-042-011	16.40			.F.	20.00	2000.00	---
Nickel	35	SB-051-015	19.90			.F.	20.00	2000.00	---
Nickel	40	SB-030-022	17.00			.F.	20.00	2000.00	---
Nickel	45	SB-030-025	3.17			.F.	20.00	2000.00	---
Potassium	5	SB-041-005	2580.00			.F.	---	---	---
Potassium	10	SB-062-006	4620.00			.F.	---	---	---
Potassium	10	SB-062-007	5200.00			.T.	---	---	---
Potassium	15	SB-041-008	4470.00			.F.	---	---	---
Potassium	30	SB-030-013	2740.00			.F.	---	---	---
Potassium	30	SB-051-011	1380.00			.F.	---	---	---
Potassium	35	SB-028-015	1070.00			.F.	---	---	---
Potassium	35	SB-041-017	768.00			.F.	---	---	---
Potassium	35	SB-042-011	3230.00			.F.	---	---	---
Potassium	35	SB-051-015	4210.00			.F.	---	---	---
Potassium	40	SB-030-022	4200.00			.F.	---	---	---
Potassium	45	SB-030-025	601.00			.F.	---	---	---
Selenium	5	SB-041-005	0.32			.F.	1.00	100.00	1.00
Selenium	10	SB-062-006	0.37			.F.	1.00	100.00	1.00
Selenium	10	SB-062-007	4.80		J	.T.	1.00	100.00	1.00
Selenium	15	SB-041-008	0.61			.F.	1.00	100.00	1.00
Selenium	30	SB-030-013	0.24			.F.	1.00	100.00	1.00
Selenium	30	SB-051-011	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-028-015	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-041-017	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-042-011	0.27			.F.	1.00	100.00	1.00
Selenium	35	SB-051-015	0.26			.F.	1.00	100.00	1.00
Selenium	40	SB-030-022	0.29			.F.	1.00	100.00	1.00
Selenium	45	SB-030-025	0.22			.F.	1.00	100.00	1.00
Silver	5	SB-041-005	1.05			.F.	5.00	500.00	5.00
Silver	10	SB-062-006	0.63			.F.	5.00	500.00	5.00
Silver	15	SB-041-008	1.18			.F.	5.00	500.00	5.00
Silver	30	SB-030-013	0.76			.F.	5.00	500.00	5.00
Silver	30	SB-051-011	0.90			.F.	5.00	500.00	5.00
Silver	35	SB-028-015	0.61			.F.	5.00	500.00	5.00
Silver	35	SB-041-017	0.81			.F.	5.00	500.00	5.00
Silver	35	SB-042-011	0.83			.F.	5.00	500.00	5.00
Silver	35	SB-051-015	0.95			.F.	5.00	500.00	5.00
Silver	40	SB-030-022	0.97			.F.	5.00	500.00	5.00
Silver	45	SB-030-025	0.93			.F.	5.00	500.00	5.00
Sodium	5	SB-041-005	791.00			.F.	---	---	---
Sodium	10	SB-062-006	1070.00			.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Sodium	10	SB-062-007	1030.00	L	J	.T.	---	---	---
Sodium	15	SB-041-008	2240.00			.F.	---	---	---
Sodium	30	SB-030-013	456.00			.F.	---	---	---
Sodium	30	SB-051-011	270.00			.F.	---	---	---
Sodium	35	SB-028-015	238.00			.F.	---	---	---
Sodium	35	SB-041-017	248.00			.F.	---	---	---
Sodium	35	SB-042-011	245.00			.F.	---	---	---
Sodium	35	SB-051-015	743.00			.F.	---	---	---
Sodium	40	SB-030-022	396.00			.F.	---	---	---
Sodium	45	SB-030-025	139.00			.F.	---	---	---
Thallium	5	SB-041-005	13.30			.F.	7.00	700.00	---
Thallium	10	SB-062-006	16.00			.F.	7.00	700.00	---
Thallium	10	SB-062-007	2.90	L	J	.T.	7.00	700.00	---
Thallium	15	SB-041-008	27.90			.F.	7.00	700.00	---
Thallium	30	SB-030-013	9.66			.F.	7.00	700.00	---
Thallium	30	SB-051-011	12.40			.F.	7.00	700.00	---
Thallium	35	SB-028-015	7.72			.F.	7.00	700.00	---
Thallium	35	SB-041-017	10.30			.F.	7.00	700.00	---
Thallium	35	SB-042-011	10.60			.F.	7.00	700.00	---
Thallium	35	SB-051-015	12.10			.F.	7.00	700.00	---
Thallium	40	SB-030-022	15.10			.F.	7.00	700.00	---
Thallium	45	SB-030-025	11.80			.F.	7.00	700.00	---
Vanadium	5	SB-041-005	31.30			.F.	24.00	2400.00	---
Vanadium	10	SB-062-006	57.50			.F.	24.00	2400.00	---
Vanadium	10	SB-062-007	74.40			.T.	24.00	2400.00	---
Vanadium	15	SB-041-008	41.20			.F.	24.00	2400.00	---
Vanadium	30	SB-030-013	30.90			.F.	24.00	2400.00	---
Vanadium	30	SB-051-011	16.60			.F.	24.00	2400.00	---
Vanadium	35	SB-028-015	13.40			.F.	24.00	2400.00	---
Vanadium	35	SB-041-017	13.80			.F.	24.00	2400.00	---
Vanadium	35	SB-042-011	36.50			.F.	24.00	2400.00	---
Vanadium	35	SB-051-015	36.70			.F.	24.00	2400.00	---
Vanadium	40	SB-030-022	44.90			.F.	24.00	2400.00	---
Vanadium	45	SB-030-025	8.31			.F.	24.00	2400.00	---
Zinc	5	SB-041-005	83.90			.F.	250.00	5000.00	---
Zinc	10	SB-062-006	64.40			.F.	250.00	5000.00	---
Zinc	10	SB-062-007	83.50			.T.	250.00	5000.00	---
Zinc	15	SB-041-008	257.00			.F.	250.00	5000.00	---
Zinc	30	SB-030-013	53.40			.F.	250.00	5000.00	---
Zinc	30	SB-051-011	27.80			.F.	250.00	5000.00	---
Zinc	35	SB-028-015	23.70			.F.	250.00	5000.00	---
Zinc	35	SB-041-017	21.00			.F.	250.00	5000.00	---
Zinc	35	SB-042-011	54.50			.F.	250.00	5000.00	---
Zinc	35	SB-051-015	59.60			.F.	250.00	5000.00	---
Zinc	40	SB-030-022	68.30			.F.	250.00	5000.00	---
Zinc	45	SB-030-025	25.70			.F.	250.00	5000.00	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** PESTICIDES									
4,4'-DDT	0	SB-062-001	22.00	J		.F.	---	---	---
Dieldrin	0	SB-041-001	35.00			.F.	---	---	---
Endrin	5	SB-041-004	14.00	J		.F.	---	---	---
Heptachlor	20	SB-041-010	87.00			.F.	---	---	---
alpha-BHC	30	SB-051-010	0.00	J		.F.	---	---	---
** SEMI-VOLATILES									
1,2,4-Trichlorobenzene	0	SB-041-001	35.00			.F.	---	---	---
2-Chlorophenol	20	SB-042-007	71.00			.F.	---	---	---
2-Methylnaphthalene	0	SB-041-001	72.00			.F.	---	---	---
2-Methylnaphthalene	10	SB-029-004	5400.00			.F.	---	---	---
2-Methylnaphthalene	10	SB-029-004	6200.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-029-007	36000.00			.F.	---	---	---
2-Methylnaphthalene	15	SB-029-007	40000.00	E		.F.	---	---	---
2-Methylnaphthalene	20	SB-041-010	51000.00			.F.	---	---	---
2-Methylnaphthalene	20	SB-041-010	50000.00			.F.	---	---	---
2-Methylnaphthalene	25	SB-029-011	32000.00			.F.	---	---	---
2-Methylnaphthalene	25	SB-029-011	30000.00	E		.F.	---	---	---
2-Methylnaphthalene	25	SB-041-013	110000.00			.F.	---	---	---
2-Methylnaphthalene	30	SB-029-014	140.00	J		.F.	---	---	---
2-Methylnaphthalene	30	SB-029-014	110.00	J		.F.	---	---	---
2-Methylnaphthalene	50	SB-029-017	1600.00			.F.	---	---	---
Acenaphthene	10	SB-029-004	450.00			.F.	---	---	---
Acenaphthene	15	SB-029-007	2200.00			.F.	---	---	---
Acenaphthene	25	SB-029-011	2300.00			.F.	---	---	---
Acenaphthene	50	SB-029-017	140.00	J		.F.	---	---	---
Anthracene	20	SB-041-010	16000.00			.F.	---	---	---
Anthracene	20	SB-041-010	12000.00			.F.	---	---	---
Benzo(a)anthracene	0	SB-028-001	180.00		J	.T.	---	---	---
Benzo(a)anthracene	20	SB-041-010	1500.00			.F.	---	---	---
Benzo(a)pyrene	0	SB-028-001	210.00		J	.T.	---	---	---
Benzo(a)pyrene	0	SB-051-001	55.00	J		.F.	---	---	---
Benzo(a)pyrene	5	SB-029-001	110.00	J		.F.	---	---	---
Benzo(b)fluoranthene	0	SB-028-001	340.00		J	.T.	---	---	---
Benzo(b)fluoranthene	0	SB-051-001	45.00	J		.F.	---	---	---
Benzo(b)fluoranthene	5	SB-029-001	170.00	J		.F.	---	---	---
Benzo(g,h,i)perylene	5	SB-029-001	77.00	J		.F.	---	---	---
Benzo(k)fluoranthene	0	SB-051-001	48.00	J		.F.	---	---	---
Benzo(k)fluoranthene	5	SB-029-001	91.00	J		.F.	---	---	---
Benzoic Acid	15	SB-030-007	76.00	J		.F.	---	---	---
Benzoic Acid	25	SB-030-008	87.00	J		.F.	---	---	---
Butylbenzylphthalate	5	SB-042-001	18.00			.F.	---	---	---
Butylbenzylphthalate	30	SB-029-014	3500.00			.F.	---	---	---
Butylbenzylphthalate	30	SB-029-014	3000.00			.F.	---	---	---
Butylbenzylphthalate	40	SB-041-019	40.00			.F.	---	---	---
Chrysene	0	SB-028-001	200.00		J	.T.	---	---	---
Chrysene	0	SB-051-001	36.00	J		.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLC LIMIT	WASTE LIMIT
Chrysene	5	SB-029-001	97.00	J		.F.	---	---	---
Chrysene	10	SB-029-004	350.00	J		.F.	---	---	---
Chrysene	10	SB-029-004	410.00	J		.F.	---	---	---
Chrysene	15	SB-029-007	1300.00			.F.	---	---	---
Chrysene	15	SB-029-007	1400.00	J		.F.	---	---	---
Chrysene	20	SB-041-010	2100.00			.F.	---	---	---
Chrysene	25	SB-029-011	1300.00	J		.F.	---	---	---
Chrysene	25	SB-029-011	1200.00			.F.	---	---	---
Chrysene	25	SB-041-013	8000.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-028-001	98.00		J	.T.	---	---	---
Di-n-butylphthalate	0	SB-041-001	52.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-062-004	90.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-028-004	180.00		J	.T.	---	---	---
Di-n-butylphthalate	5	SB-029-001	470.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-042-001	61.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-028-007	170.00		J	.T.	---	---	---
Di-n-butylphthalate	10	SB-042-004	30.00	B		.F.	---	---	---
Di-n-butylphthalate	35	SB-028-014	220.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-062-012	860.00			.F.	---	---	---
Di-n-butylphthalate	35	SB-062-015	590.00			.F.	---	---	---
Di-n-butylphthalate	40	SB-041-019	64.00	B		.F.	---	---	---
Di-n-octylphthalate	25	SB-030-008	110.00	J		.F.	---	---	---
Di-n-octylphthalate	25	SB-030-008	150.00	D		.F.	---	---	---
Di-n-octylphthalate	35	SB-030-018	120.00	J		.F.	---	---	---
Fluoranthene	0	SB-028-001	170.00		J	.T.	---	---	---
Fluoranthene	5	SB-029-001	68.00	J		.F.	---	---	---
Fluorene	10	SB-029-004	1100.00			.F.	---	---	---
Fluorene	10	SB-029-004	1500.00			.F.	---	---	---
Fluorene	15	SB-029-007	7800.00			.F.	---	---	---
Fluorene	15	SB-029-007	5500.00			.F.	---	---	---
Fluorene	20	SB-041-010	6400.00			.F.	---	---	---
Fluorene	25	SB-029-011	5900.00			.F.	---	---	---
Fluorene	25	SB-029-011	4700.00			.F.	---	---	---
Fluorene	25	SB-041-013	18000.00			.F.	---	---	---
Indeno(1,2,3-cd)pyrene	5	SB-029-001	74.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	10	SB-029-004	360.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	15	SB-029-007	1400.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	25	SB-029-011	1500.00	J		.F.	---	---	---
N-Nitrosodiphenylamine	25	SB-029-011	1600.00	J		.F.	---	---	---
Naphthalene	10	SB-029-004	3500.00			.F.	---	---	---
Naphthalene	10	SB-029-004	3600.00			.F.	---	---	---
Naphthalene	15	SB-029-007	22000.00			.F.	---	---	---
Naphthalene	15	SB-029-007	22000.00			.F.	---	---	---
Naphthalene	20	SB-041-010	22000.00			.F.	---	---	---
Naphthalene	20	SB-041-010	24000.00			.F.	---	---	---
Naphthalene	25	SB-029-011	15000.00			.F.	---	---	---
Naphthalene	25	SB-029-011	15000.00			.F.	---	---	---
Naphthalene	50	SB-029-017	660.00			.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Phenanthrene	10	SB-029-004	2100.00			.F.	---	---	---
Phenanthrene	10	SB-029-004	2100.00			.F.	---	---	---
Phenanthrene	15	SB-029-007	10000.00			.F.	---	---	---
Phenanthrene	25	SB-029-011	11000.00			.F.	---	---	---
Phenanthrene	25	SB-029-011	8800.00			.F.	---	---	---
Phenanthrene	25	SB-041-013	29000.00			.F.	---	---	---
Phenanthrene	50	SB-029-017	430.00			.F.	---	---	---
Pyrene	0	SB-028-001	280.00		J	.T.	---	---	---
Pyrene	0	SB-041-001	76.00			.F.	---	---	---
Pyrene	0	SB-062-004	87.00	J		.F.	---	---	---
Pyrene	5	SB-029-001	78.00	J		.F.	---	---	---
Pyrene	20	SB-041-010	1500.00			.F.	---	---	---
Pyrene	20	SB-042-007	47.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-041-001	400.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-051-001	71.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-062-004	150.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-029-001	65.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-042-001	110.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-029-004	190.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-042-004	1000.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-030-004	570.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-042-007	210.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-062-008	140.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-030-008	8200.00	BE		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-030-008	9500.00	BD		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-030-011	66.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-030-012	570.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-030-018	6200.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-041-019	88.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	45	SB-030-024	320.00	J		.F.	---	---	---
** VOLATILES									
1,1,1-Trichloroethane	10	SB-029-004	6.00	J		.F.	---	---	---
1,1,1-Trichloroethane	30	SB-029-014	6.00	J		.F.	---	---	---
1,1-Dichloroethene	10	SB-029-004	3.00	J		.F.	---	---	---
2-Butanone	0	SB-028-001	25.00		J	.T.	---	---	---
2-Butanone	5	SB-028-004	100.00		J	.T.	---	---	---
2-Butanone	5	SB-041-004	12.00	J		.F.	---	---	---
2-Butanone	10	SB-028-007	80.00		J	.T.	---	---	---
2-Butanone	10	SB-051-004	2.00	J		.F.	---	---	---
2-Butanone	10	SB-062-005	12.00			.F.	---	---	---
2-Butanone	20	SB-028-011	9.00		J	.T.	---	---	---
2-Butanone	20	SB-041-010	5.00			.F.	---	---	---
2-Butanone	20	SB-062-008	15.00			.F.	---	---	---
2-Butanone	35	SB-030-018	1.00	J		.F.	---	---	---
4-Methyl-2-Pentanone	5	SB-028-004	2.00		J	.T.	---	---	---
4-Methyl-2-Pentanone	20	SB-041-010	68.00			.F.	---	---	---
Acetone	0	SB-041-001	55.00	B		.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Acetone	0	SB-062-004	2.00	BJ		.F.	---	---	---
Acetone	5	SB-028-004	240.00			.T.	---	---	---
Acetone	5	SB-029-001	25.00			.F.	---	---	---
Acetone	5	SB-030-001	12.00	B		.F.	---	---	---
Acetone	5	SB-041-004	220.00			.F.	---	---	---
Acetone	5	SB-042-001	43.00	B		.F.	---	---	---
Acetone	10	SB-029-004	240.00	B		.F.	---	---	---
Acetone	10	SB-051-004	43.00	B		.F.	---	---	---
Acetone	10	SB-062-005	6.00	BJ		.F.	---	---	---
Acetone	15	SB-030-004	14.00	B		.F.	---	---	---
Acetone	15	SB-030-007	19.00	B		.F.	---	---	---
Acetone	20	SB-041-010	140.00	B		.F.	---	---	---
Acetone	20	SB-042-007	63.00	B		.F.	---	---	---
Acetone	20	SB-051-007	25.00	B		.F.	---	---	---
Acetone	20	SB-062-008	4.00	BJ		.F.	---	---	---
Acetone	20	SB-062-011	4.00	BJ		.F.	---	---	---
Acetone	25	SB-030-008	64.00	B		.F.	---	---	---
Acetone	25	SB-030-011	20.00	B		.F.	---	---	---
Acetone	25	SB-041-013	83.00	B		.F.	---	---	---
Acetone	30	SB-029-014	110.00	B		.F.	---	---	---
Acetone	35	SB-030-016	36.00	B		.F.	---	---	---
Acetone	35	SB-030-018	25.00	B		.F.	---	---	---
Acetone	35	SB-041-016	25.00			.F.	---	---	---
Acetone	35	SB-042-010	12.00			.F.	---	---	---
Acetone	40	SB-030-020	280.00			.F.	---	---	---
Acetone	40	SB-030-023	300.00			.F.	---	---	---
Acetone	40	SB-041-019	69.00	B		.F.	---	---	---
Acetone	45	SB-030-024	7.00	J		.F.	---	---	---
Benzene	15	SB-029-007	6700.00			.F.	---	---	---
Benzene	25	SB-029-011	560.00	J		.F.	---	---	---
Benzene	25	SB-041-013	6600.00			.F.	---	---	---
Benzene	25	SB-041-013	3700.00			.F.	---	---	---
Benzene	30	SB-030-012	130.00	J		.F.	---	---	---
Carbon Disulfide	5	SB-041-004	7.00			.F.	---	---	---
Carbon Disulfide	10	SB-029-004	4.00	J		.F.	---	---	---
Carbon Tetrachloride	10	SB-029-004	2.00	J		.F.	---	---	---
Chloroform	25	SB-030-011	2.00	BJ		.F.	---	---	---
Chloroform	35	SB-030-016	1.00	BJ		.F.	---	---	---
Ethylbenzene	10	SB-029-004	4.00	J		.F.	---	---	---
Ethylbenzene	15	SB-029-007	11000.00			.F.	---	---	---
Ethylbenzene	20	SB-041-010	140.00			.F.	---	---	---
Ethylbenzene	25	SB-029-011	7700.00			.F.	---	---	---
Ethylbenzene	25	SB-041-013	5000.00			.F.	---	---	---
Ethylbenzene	25	SB-041-013	14000.00			.F.	---	---	---
Ethylbenzene	30	SB-030-012	250.00	J		.F.	---	---	---
Ethylbenzene	50	SB-029-017	230.00	J		.F.	---	---	---
Methylene Chloride	0	SB-041-001	65.00	B		.F.	---	---	---
Methylene Chloride	0	SB-051-001	10.00	B		.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Methylene Chloride	0	SB-062-001	4.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-062-001	16.00	BD		.F.	---	---	---
Methylene Chloride	0	SB-062-004	4.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-029-001	7.00	J		.F.	---	---	---
Methylene Chloride	5	SB-030-001	8.00	B		.F.	---	---	---
Methylene Chloride	5	SB-041-004	15.00			.F.	---	---	---
Methylene Chloride	5	SB-042-001	16.00	B		.F.	---	---	---
Methylene Chloride	10	SB-029-004	150.00	B		.F.	---	---	---
Methylene Chloride	10	SB-051-004	38.00	B		.F.	---	---	---
Methylene Chloride	10	SB-062-005	4.00	BJ		.F.	---	---	---
Methylene Chloride	15	SB-030-004	5.00	BJ		.F.	---	---	---
Methylene Chloride	15	SB-030-007	10.00	B		.F.	---	---	---
Methylene Chloride	15	SB-041-007	12.00			.F.	---	---	---
Methylene Chloride	20	SB-041-010	120.00	B		.F.	---	---	---
Methylene Chloride	20	SB-042-007	21.00	B		.F.	---	---	---
Methylene Chloride	20	SB-051-007	19.00	B		.F.	---	---	---
Methylene Chloride	20	SB-062-008	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-062-011	3.00	BJ		.F.	---	---	---
Methylene Chloride	25	SB-029-011	4200.00	B		.F.	---	---	---
Methylene Chloride	25	SB-030-008	9.00	B		.F.	---	---	---
Methylene Chloride	25	SB-030-011	11.00	B		.F.	---	---	---
Methylene Chloride	25	SB-041-013	250.00	B		.F.	---	---	---
Methylene Chloride	30	SB-029-014	62.00	B		.F.	---	---	---
Methylene Chloride	30	SB-030-012	1600.00			.F.	---	---	---
Methylene Chloride	30	SB-051-010	7.00	B		.F.	---	---	---
Methylene Chloride	35	SB-030-016	8.00	B		.F.	---	---	---
Methylene Chloride	35	SB-030-018	8.00	B		.F.	---	---	---
Methylene Chloride	35	SB-041-016	6.00			.F.	---	---	---
Methylene Chloride	35	SB-042-010	6.00			.F.	---	---	---
Methylene Chloride	40	SB-030-020	7.00	BJ		.F.	---	---	---
Methylene Chloride	40	SB-041-019	28.00	B		.F.	---	---	---
Methylene Chloride	45	SB-030-024	10.00	B		.F.	---	---	---
Methylene Chloride	50	SB-029-017	2400.00			.F.	---	---	---
Tetrachloroethene	10	SB-029-004	2.00	J		.F.	---	---	---
Tetrachloroethene	15	SB-041-007	3.00	BJ		.F.	---	---	---
Tetrachloroethene	30	SB-030-012	560.00	BJ		.F.	---	---	---
Toluene	0	SB-028-001	150.00			.T.	---	---	---
Toluene	0	SB-041-001	47.00			.F.	---	---	---
Toluene	0	SB-051-001	5.00	J		.F.	---	---	---
Toluene	0	SB-062-001	380.00	E		.F.	---	---	---
Toluene	0	SB-062-001	420.00	D		.F.	---	---	---
Toluene	0	SB-062-004	44.00			.F.	---	---	---
Toluene	5	SB-028-004	62.00			.T.	---	---	---
Toluene	5	SB-041-004	2.00	J		.F.	---	---	---
Toluene	10	SB-028-007	130.00			.T.	---	---	---
Toluene	15	SB-041-007	3.00	J		.F.	---	---	---
Toluene	20	SB-041-010	42.00			.F.	---	---	---
Toluene	20	SB-042-007	3.00			.F.	---	---	---

TABLE 4-10 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLIC LIMIT	WASTE LIMIT
Toluene	20	SB-062-008	27.00			.F.	---	---	---
Toluene	25	SB-029-011	11000.00			.F.	---	---	---
Toluene	25	SB-041-013	210.00			.F.	---	---	---
Toluene	25	SB-041-013	2100.00			.F.	---	---	---
Toluene	30	SB-030-012	700.00			.F.	---	---	---
Toluene	35	SB-042-010	4.00	J		.F.	---	---	---
Toluene	40	SB-041-019	12.00			.F.	---	---	---
Xylene (total)	10	SB-029-004	2.00	J		.F.	---	---	---
Xylene (total)	15	SB-041-007	2.00	J		.F.	---	---	---
Xylene (total)	25	SB-041-013	42000.00			.F.	---	---	---
Xylene (total)	25	SB-041-013	12000.00			.F.	---	---	---
Xylene (total)	30	SB-030-012	2000.00			.F.	---	---	---

TABLE 4-11

CHEMICAL CHARACTERISTICS - AREA 5
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	10	SB-062-006	21400.00			.F.	---	---	---
Aluminum	10	SB-062-007	28500.00			.T.	---	---	---
Aluminum	30	SB-051-011	4750.00			.F.	---	---	---
Aluminum	35	SB-051-015	12600.00			.F.	---	---	---
Antimony	10	SB-062-006	5.90			.F.	15.00	500.00	---
Antimony	10	SB-062-007	5.90	L	J	.T.	15.00	500.00	---
Antimony	30	SB-051-011	2.90			.F.	15.00	500.00	---
Antimony	35	SB-051-015	3.00			.F.	15.00	500.00	---
Arsenic	10	SB-062-006	7.72			.F.	5.00	500.00	5.00
Arsenic	10	SB-062-007	13.90			J .T.	5.00	500.00	5.00
Arsenic	30	SB-051-011	2.29			.F.	5.00	500.00	5.00
Arsenic	35	SB-051-015	7.04			.F.	5.00	500.00	5.00
Barium	10	SB-062-006	170.00			.F.	100.00	10000.00	100.00
Barium	10	SB-062-007	218.00			.T.	100.00	10000.00	100.00
Barium	30	SB-051-011	90.80			.F.	100.00	10000.00	100.00
Barium	35	SB-051-015	173.00			.F.	100.00	10000.00	100.00
Beryllium	10	SB-062-006	0.46			.F.	0.75	75.00	---
Beryllium	10	SB-062-007	0.62	L	J	.T.	0.75	75.00	---
Beryllium	30	SB-051-011	0.26			.F.	0.75	75.00	---
Beryllium	35	SB-051-015	0.22			.F.	0.75	75.00	---
Cadmium	10	SB-062-006	0.52			.F.	1.00	100.00	1.00
Cadmium	30	SB-051-011	0.27			.F.	1.00	100.00	1.00
Cadmium	35	SB-051-015	0.38			.F.	1.00	100.00	1.00
Calcium	10	SB-062-006	2260.00			.F.	---	---	---
Calcium	10	SB-062-007	4570.00			.T.	---	---	---
Calcium	30	SB-051-011	1870.00			.F.	---	---	---
Calcium	35	SB-051-015	4390.00			.F.	---	---	---
Chromium	10	SB-062-006	29.30			.F.	560.00	2500.00	5.00
Chromium	10	SB-062-007	43.20			.T.	560.00	2500.00	5.00
Chromium	30	SB-051-011	7.47			.F.	560.00	2500.00	5.00
Chromium	35	SB-051-015	20.60			.F.	560.00	2500.00	5.00
Cobalt	10	SB-062-006	17.00			.F.	80.00	8000.00	---
Cobalt	10	SB-062-007	19.50			.T.	80.00	8000.00	---
Cobalt	30	SB-051-011	4.65			.F.	80.00	8000.00	---
Cobalt	35	SB-051-015	12.00			.F.	80.00	8000.00	---
Copper	10	SB-062-006	28.70			.F.	25.00	2500.00	---
Copper	10	SB-062-007	87.50			J .T.	25.00	2500.00	---
Copper	30	SB-051-011	7.44			.F.	25.00	2500.00	---
Copper	35	SB-051-015	26.90			.F.	25.00	2500.00	---
Iron	10	SB-062-006	30700.00			.F.	---	---	---
Iron	10	SB-062-007	39200.00			.T.	---	---	---
Iron	30	SB-051-011	8180.00			.F.	---	---	---
Iron	35	SB-051-015	20900.00			.F.	---	---	---
Lead	10	SB-062-006	6.41			.F.	5.00	1000.00	5.00
Lead	10	SB-062-007	9.60			.T.	5.00	1000.00	5.00
Lead	30	SB-051-011	3.46			.F.	5.00	1000.00	5.00

TABLE 4-11 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
Lead	35	SB-051-015	6.17			.F.	5.00	1000.00	5.00
Magnesium	10	SB-062-006	7270.00			.F.	---	---	---
Magnesium	10	SB-062-007	9460.00			.T.	---	---	---
Magnesium	30	SB-051-011	2350.00			.F.	---	---	---
Magnesium	35	SB-051-015	6460.00			.F.	---	---	---
Manganese	10	SB-062-006	560.00			.F.	---	---	---
Manganese	10	SB-062-007	744.00			.T.	---	---	---
Manganese	30	SB-051-011	116.00			.F.	---	---	---
Manganese	35	SB-051-015	636.00			.F.	---	---	---
Mercury	10	SB-062-006	0.04			.F.	0.20	20.00	0.20
Mercury	10	SB-062-007	0.23		J	.T.	0.20	20.00	0.20
Mercury	30	SB-051-011	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-051-015	0.05			.F.	0.20	20.00	0.20
Molybdenum	10	SB-062-006	0.55			.F.	350.00	3500.00	---
Molybdenum	30	SB-051-011	0.23			.F.	350.00	3500.00	---
Molybdenum	35	SB-051-015	0.27			.F.	350.00	3500.00	---
Nickel	10	SB-062-006	21.50			.F.	20.00	2000.00	---
Nickel	10	SB-062-007	32.60			.T.	20.00	2000.00	---
Nickel	30	SB-051-011	5.32			.F.	20.00	2000.00	---
Nickel	35	SB-051-015	19.90			.F.	20.00	2000.00	---
Potassium	10	SB-062-006	4620.00			.F.	---	---	---
Potassium	10	SB-062-007	5200.00			.T.	---	---	---
Potassium	30	SB-051-011	1380.00			.F.	---	---	---
Potassium	35	SB-051-015	4210.00			.F.	---	---	---
Selenium	10	SB-062-006	0.37			.F.	1.00	100.00	1.00
Selenium	10	SB-062-007	4.80		J	.T.	1.00	100.00	1.00
Selenium	30	SB-051-011	0.24			.F.	1.00	100.00	1.00
Selenium	35	SB-051-015	0.26			.F.	1.00	100.00	1.00
Silver	10	SB-062-006	0.63			.F.	5.00	500.00	5.00
Silver	30	SB-051-011	0.90			.F.	5.00	500.00	5.00
Silver	35	SB-051-015	0.95			.F.	5.00	500.00	5.00
Sodium	10	SB-062-006	1070.00			.F.	---	---	---
Sodium	10	SB-062-007	1030.00	L	J	.T.	---	---	---
Sodium	30	SB-051-011	270.00			.F.	---	---	---
Sodium	35	SB-051-015	743.00			.F.	---	---	---
Thallium	10	SB-062-006	16.00			.F.	7.00	700.00	---
Thallium	10	SB-062-007	2.90	L	J	.T.	7.00	700.00	---
Thallium	30	SB-051-011	12.40			.F.	7.00	700.00	---
Thallium	35	SB-051-015	12.10			.F.	7.00	700.00	---
Vanadium	10	SB-062-006	57.50			.F.	24.00	2400.00	---
Vanadium	10	SB-062-007	74.40			.T.	24.00	2400.00	---
Vanadium	30	SB-051-011	16.60			.F.	24.00	2400.00	---
Vanadium	35	SB-051-015	36.70			.F.	24.00	2400.00	---
Zinc	10	SB-062-006	64.40			.F.	250.00	5000.00	---
Zinc	10	SB-062-007	83.50			.T.	250.00	5000.00	---
Zinc	30	SB-051-011	27.80			.F.	250.00	5000.00	---
Zinc	35	SB-051-015	59.60			.F.	250.00	5000.00	---

TABLE 4-11 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLIC LIMIT	HAZARDOUS WASTE LIMIT
** PESTICIDES									
4,4'-DDT	0	SB-062-001	22.00	J		.F.	---	---	---
alpha-BHC	30	SB-051-010	0.00	J		.F.	---	---	---
** SEMI-VOLATILES									
Benzo(a)pyrene	0	SB-051-001	55.00	J		.F.	---	---	---
Benzo(b)fluoranthene	0	SB-051-001	45.00	J		.F.	---	---	---
Benzo(k)fluoranthene	0	SB-051-001	48.00	J		.F.	---	---	---
Chrysene	0	SB-051-001	36.00	J		.F.	---	---	---
Di-n-butylphthalate	0	SB-062-004	90.00	J		.F.	---	---	---
Di-n-butylphthalate	35	SB-062-012	860.00			.F.	---	---	---
Di-n-butylphthalate	35	SB-062-015	590.00			.F.	---	---	---
Pyrene	0	SB-062-004	87.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-051-001	71.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-062-004	150.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-062-008	140.00	J		.F.	---	---	---
** VOLATILES									
2-Butanone	10	SB-051-004	2.00	J		.F.	---	---	---
2-Butanone	10	SB-062-005	12.00			.F.	---	---	---
2-Butanone	20	SB-062-008	15.00			.F.	---	---	---
Acetone	0	SB-062-004	2.00	BJ		.F.	---	---	---
Acetone	10	SB-051-004	43.00	B		.F.	---	---	---
Acetone	10	SB-062-005	6.00	BJ		.F.	---	---	---
Acetone	20	SB-051-007	25.00	B		.F.	---	---	---
Acetone	20	SB-062-008	4.00	BJ		.F.	---	---	---
Acetone	20	SB-062-011	4.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-051-001	10.00	B		.F.	---	---	---
Methylene Chloride	0	SB-062-001	4.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-062-001	16.00	BD		.F.	---	---	---
Methylene Chloride	0	SB-062-004	4.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-051-004	38.00	B		.F.	---	---	---
Methylene Chloride	10	SB-062-005	4.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-051-007	19.00	B		.F.	---	---	---
Methylene Chloride	20	SB-062-008	2.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-062-011	3.00	BJ		.F.	---	---	---
Methylene Chloride	30	SB-051-010	7.00	B		.F.	---	---	---
Toluene	0	SB-051-001	5.00	J		.F.	---	---	---
Toluene	0	SB-062-001	380.00	E		.F.	---	---	---
Toluene	0	SB-062-001	420.00	D		.F.	---	---	---
Toluene	0	SB-062-004	44.00			.F.	---	---	---
Toluene	20	SB-062-008	27.00			.F.	---	---	---

TABLE 4-11 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLIC LIMIT	WASTE LIMIT
** METALS									
Aluminum	35	SB-052-010	17700.00			.F.	---	---	---
Antimony	35	SB-052-010	2.90			.F.	15.00	500.00	---
Arsenic	35	SB-052-010	7.50			.F.	5.00	500.00	5.00
Barium	35	SB-052-010	228.00			.F.	100.00	10000.00	100.00
Beryllium	35	SB-052-010	0.21			.F.	0.75	75.00	---
Cadmium	35	SB-052-010	0.27			.F.	1.00	100.00	1.00
Calcium	35	SB-052-010	6300.00			.F.	---	---	---
Chromium	35	SB-052-010	27.10			.F.	560.00	2500.00	5.00
Cobalt	35	SB-052-010	14.90			.F.	80.00	8000.00	---
Copper	35	SB-052-010	33.90			.F.	25.00	2500.00	---
Iron	35	SB-052-010	25800.00			.F.	---	---	---
Lead	35	SB-052-010	8.42			.F.	5.00	1000.00	5.00
Magnesium	35	SB-052-010	8190.00			.F.	---	---	---
Manganese	35	SB-052-010	826.00			.F.	---	---	---
Mercury	35	SB-052-010	0.05			.F.	0.20	20.00	0.20
Molybdenum	35	SB-052-010	0.28			.F.	350.00	3500.00	---
Nickel	35	SB-052-010	21.70			.F.	20.00	2000.00	---
Potassium	35	SB-052-010	3490.00			.F.	---	---	---
Selenium	35	SB-052-010	0.26			.F.	1.00	100.00	1.00
Silver	35	SB-052-010	0.92			.F.	5.00	500.00	5.00
Sodium	35	SB-052-010	569.00			.F.	---	---	---
Thallium	35	SB-052-010	11.70			.F.	7.00	700.00	---
Vanadium	35	SB-052-010	52.50			.F.	24.00	2400.00	---
Zinc	35	SB-052-010	73.40			.F.	250.00	5000.00	---
** VOLATILES									
4-Methyl-2-Pentanone	10	SB-052-004	4.00	J		.F.	---	---	---
Acetone	0	SB-052-001	35.00	B		.F.	---	---	---
Acetone	10	SB-052-004	7.00	J		.F.	---	---	---
Acetone	20	SB-052-009	28.00			.F.	---	---	---
Chloroform	0	SB-052-001	5.00	J		.F.	---	---	---
Methylene Chloride	0	SB-052-001	13.00	B		.F.	---	---	---
Methylene Chloride	10	SB-052-004	6.00	B		.F.	---	---	---
Methylene Chloride	20	SB-052-009	11.00	B		.F.	---	---	---
Toluene	0	SB-052-001	1.00	J		.F.	---	---	---

TABLE 4-13

CHEMICAL CHARACTERISTICS - AREA 6
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-061-011	19400.00			.F.	---	---	---
Aluminum	35	SB-061-012	28500.00			.F.	---	---	---
Aluminum	35	SB-078-008	14800.00			.F.	---	---	---
Aluminum	35	SB-079-011	10500.00			.F.	---	---	---
Antimony	35	SB-061-011	3.20			.F.	15.00	500.00	---
Antimony	35	SB-061-012	5.50			.F.	15.00	500.00	---
Antimony	35	SB-078-008	4.20			.F.	15.00	500.00	---
Antimony	35	SB-079-011	2.70			.F.	15.00	500.00	---
Arsenic	35	SB-061-011	9.55			.F.	5.00	500.00	5.00
Arsenic	35	SB-061-012	14.90			.F.	5.00	500.00	5.00
Arsenic	35	SB-078-008	7.12			.F.	5.00	500.00	5.00
Arsenic	35	SB-079-011	5.50			.F.	5.00	500.00	5.00
Barium	35	SB-061-011	155.00			.F.	100.00	10000.00	100.00
Barium	35	SB-061-012	263.00			.F.	100.00	10000.00	100.00
Barium	35	SB-078-008	131.00			.F.	100.00	10000.00	100.00
Barium	35	SB-079-011	107.00			.F.	100.00	10000.00	100.00
Beryllium	35	SB-061-011	0.22			.F.	0.75	75.00	---
Beryllium	35	SB-061-012	0.37			.F.	0.75	75.00	---
Beryllium	35	SB-078-008	0.21			.F.	0.75	75.00	---
Beryllium	35	SB-079-011	0.19			.F.	0.75	75.00	---
Cadmium	35	SB-061-011	0.40			.F.	1.00	100.00	1.00
Cadmium	35	SB-061-012	0.69			.F.	1.00	100.00	1.00
Cadmium	35	SB-078-008	0.29			.F.	1.00	100.00	1.00
Cadmium	35	SB-079-011	0.30			.F.	1.00	100.00	1.00
Calcium	35	SB-061-011	7080.00			.F.	---	---	---
Calcium	35	SB-061-012	9450.00			.F.	---	---	---
Calcium	35	SB-078-008	4800.00			.F.	---	---	---
Calcium	35	SB-079-011	3720.00			.F.	---	---	---
Chromium	35	SB-061-011	30.00			.F.	560.00	2500.00	5.00
Chromium	35	SB-061-012	44.60			.F.	560.00	2500.00	5.00
Chromium	35	SB-078-008	22.50			.F.	560.00	2500.00	5.00
Chromium	35	SB-079-011	17.00			.F.	560.00	2500.00	5.00
Cobalt	35	SB-061-011	15.50			.F.	80.00	8000.00	---
Cobalt	35	SB-061-012	23.50			.F.	80.00	8000.00	---
Cobalt	35	SB-078-008	13.70			.F.	80.00	8000.00	---
Cobalt	35	SB-079-011	10.60			.F.	80.00	8000.00	---
Copper	35	SB-061-011	39.20			.F.	25.00	2500.00	---
Copper	35	SB-061-012	62.40			.F.	25.00	2500.00	---
Copper	35	SB-078-008	24.90			.F.	25.00	2500.00	---
Copper	35	SB-079-011	18.00			.F.	25.00	2500.00	---
Iron	35	SB-061-011	28300.00			.F.	---	---	---
Iron	35	SB-061-012	37400.00			.F.	---	---	---
Iron	35	SB-078-008	23200.00			.F.	---	---	---
Iron	35	SB-079-011	20500.00			.F.	---	---	---
Lead	35	SB-061-011	13.50			.F.	5.00	1000.00	5.00
Lead	35	SB-061-012	22.70			.F.	5.00	1000.00	5.00
Lead	35	SB-078-008	5.38			.F.	5.00	1000.00	5.00

TABLE 4-13 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALID- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Lead	35	SB-079-011	11.40			.F.	5.00	1000.00	5.00
Magnesium	35	SB-061-011	10000.00			.F.	---	---	---
Magnesium	35	SB-061-012	13400.00			.F.	---	---	---
Magnesium	35	SB-078-008	8280.00			.F.	---	---	---
Magnesium	35	SB-079-011	5980.00			.F.	---	---	---
Manganese	35	SB-061-011	412.00			.F.	---	---	---
Manganese	35	SB-061-012	778.00			.F.	---	---	---
Manganese	35	SB-078-008	339.00			.F.	---	---	---
Manganese	35	SB-079-011	300.00			.F.	---	---	---
Mercury	35	SB-061-011	0.09			.F.	0.20	20.00	0.20
Mercury	35	SB-061-012	0.03			.F.	0.20	20.00	0.20
Mercury	35	SB-078-008	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-079-011	0.03			.F.	0.20	20.00	0.20
Molybdenum	35	SB-061-011	0.24			.F.	350.00	3500.00	---
Molybdenum	35	SB-061-012	0.32			.F.	350.00	3500.00	---
Molybdenum	35	SB-078-008	0.69			.F.	350.00	3500.00	---
Molybdenum	35	SB-079-011	0.25			.F.	350.00	3500.00	---
Nickel	35	SB-061-011	27.50			.F.	20.00	2000.00	---
Nickel	35	SB-061-012	41.80			.F.	20.00	2000.00	---
Nickel	35	SB-078-008	17.00			.F.	20.00	2000.00	---
Nickel	35	SB-079-011	12.60			.F.	20.00	2000.00	---
Potassium	35	SB-061-011	4530.00			.F.	---	---	---
Potassium	35	SB-061-012	4860.00			.F.	---	---	---
Potassium	35	SB-078-008	4960.00			.F.	---	---	---
Potassium	35	SB-079-011	3380.00			.F.	---	---	---
Selenium	35	SB-061-011	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-061-012	0.33			.F.	1.00	100.00	1.00
Selenium	35	SB-078-008	0.27			.F.	1.00	100.00	1.00
Selenium	35	SB-079-011	0.26			.F.	1.00	100.00	1.00
Silver	35	SB-061-011	0.95			.F.	5.00	500.00	5.00
Silver	35	SB-061-012	0.99			.F.	5.00	500.00	5.00
Silver	35	SB-078-008	0.95			.F.	5.00	500.00	5.00
Silver	35	SB-079-011	0.84			.F.	5.00	500.00	5.00
Sodium	35	SB-061-011	814.00			.F.	---	---	---
Sodium	35	SB-061-012	1150.00			.F.	---	---	---
Sodium	35	SB-078-008	391.00			.F.	---	---	---
Sodium	35	SB-079-011	331.00			.F.	---	---	---
Thallium	35	SB-061-011	16.30			.F.	7.00	700.00	---
Thallium	35	SB-061-012	25.10			.F.	7.00	700.00	---
Thallium	35	SB-078-008	15.70			.F.	7.00	700.00	---
Thallium	35	SB-079-011	11.20			.F.	7.00	700.00	---
Vanadium	35	SB-061-011	55.40			.F.	24.00	2400.00	---
Vanadium	35	SB-061-012	76.10			.F.	24.00	2400.00	---
Vanadium	35	SB-078-008	49.90			.F.	24.00	2400.00	---
Vanadium	35	SB-079-011	42.10			.F.	24.00	2400.00	---
Zinc	35	SB-061-011	77.40			.F.	250.00	5000.00	---
Zinc	35	SB-061-012	99.50			.F.	250.00	5000.00	---
Zinc	35	SB-078-008	67.50			.F.	250.00	5000.00	---

TABLE 4-13 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Methylene Chloride	35	SB-079-010	6.00			.F.	---	---	---
Toluene	0	SB-061-001	24.00			.F.	---	---	---
Toluene	0	SB-079-001	2.00	J		.F.	---	---	---
Toluene	35	SB-070-016	6.00	J		.F.	---	---	---
Toluene	35	SB-078-007	9.00			.F.	---	---	---
Toluene	35	SB-079-010	22.00			.F.	---	---	---
Trichloroethene	10	SB-071-001	2.00	J		.F.	---	---	---
Trichloroethene	35	SB-070-016	2.00	J		.F.	---	---	---
Trichloroethene	35	SB-078-007	5.00	J		.F.	---	---	---
Xylene (total)	0	SB-061-001	16.00			.F.	---	---	---
Xylene (total)	35	SB-071-007	31.00	J		.F.	---	---	---
Xylene (total)	35	SB-079-010	26.00			.F.	---	---	---

TABLE 4-14

CHEMICAL CHARACTERISTICS - AREA 7
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	5	SB-090-005	16200.00			.F.	---	---	---
Aluminum	35	SB-089-016	9180.00			.T.	---	---	---
Aluminum	35	SB-090-015	4010.00			.F.	---	---	---
Aluminum	35	SB-091-011	4300.00			.F.	---	---	---
Aluminum	50	SB-098-017	3540.00			.F.	---	---	---
Antimony	5	SB-090-005	3.30			.F.	15.00	500.00	---
Antimony	35	SB-090-015	1.80			.F.	15.00	500.00	---
Antimony	35	SB-091-011	2.00			.F.	15.00	500.00	---
Antimony	50	SB-098-017	2.30			.F.	15.00	500.00	---
Arsenic	5	SB-090-005	4.40			.F.	5.00	500.00	5.00
Arsenic	35	SB-089-016	7.40			.T.	5.00	500.00	5.00
Arsenic	35	SB-090-015	3.34			.F.	5.00	500.00	5.00
Arsenic	35	SB-091-011	3.17			.F.	5.00	500.00	5.00
Arsenic	50	SB-098-017	2.31			.F.	5.00	500.00	5.00
Barium	5	SB-090-005	1140.00			.F.	100.00	10000.00	100.00
Barium	35	SB-089-016	95.00			.T.	100.00	10000.00	100.00
Barium	35	SB-090-015	58.40			.F.	100.00	10000.00	100.00
Barium	35	SB-091-011	53.10			.F.	100.00	10000.00	100.00
Barium	50	SB-098-017	37.60			.F.	100.00	10000.00	100.00
Beryllium	5	SB-090-005	0.23			.F.	0.75	75.00	---
Beryllium	35	SB-089-016	1.00			.T.	0.75	75.00	---
Beryllium	35	SB-090-015	0.13			.F.	0.75	75.00	---
Beryllium	35	SB-091-011	0.14			.F.	0.75	75.00	---
Beryllium	50	SB-098-017	0.17			.F.	0.75	75.00	---
Cadmium	5	SB-090-005	1.64			.F.	1.00	100.00	1.00
Cadmium	35	SB-090-015	0.17			.F.	1.00	100.00	1.00
Cadmium	35	SB-091-011	0.19			.F.	1.00	100.00	1.00
Cadmium	50	SB-098-017	0.98			.F.	1.00	100.00	1.00
Calcium	5	SB-090-005	25800.00			.F.	---	---	---
Calcium	35	SB-089-016	4210.00			.T.	---	---	---
Calcium	35	SB-090-015	1850.00			.F.	---	---	---
Calcium	35	SB-091-011	1890.00			.F.	---	---	---
Calcium	50	SB-098-017	1540.00			.F.	---	---	---
Chromium	5	SB-090-005	55.80			.F.	560.00	2500.00	5.00
Chromium	35	SB-089-016	17.60			.T.	560.00	2500.00	5.00
Chromium	35	SB-090-015	6.80			.F.	560.00	2500.00	5.00
Chromium	35	SB-091-011	24.50			.F.	560.00	2500.00	5.00
Chromium	50	SB-098-017	5.84			.F.	560.00	2500.00	5.00
Cobalt	5	SB-090-005	16.70			.F.	80.00	8000.00	---
Cobalt	35	SB-089-016	8.70	L	J	.T.	80.00	8000.00	---
Cobalt	35	SB-090-015	3.60			.F.	80.00	8000.00	---
Cobalt	35	SB-091-011	3.34			.F.	80.00	8000.00	---
Cobalt	50	SB-098-017	3.88			.F.	80.00	8000.00	---
Copper	5	SB-090-005	41.80			.F.	25.00	2500.00	---
Copper	35	SB-089-016	17.20		J	.T.	25.00	2500.00	---
Copper	35	SB-090-015	5.25			.F.	25.00	2500.00	---
Copper	35	SB-091-011	15.30			.F.	25.00	2500.00	---

TABLE 4-14 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Copper	50	SB-098-017	6.81			.F.	25.00	2500.00	---
Iron	5	SB-090-005	24400.00			.F.	---	---	---
Iron	35	SB-089-016	17800.00			.T.	---	---	---
Iron	35	SB-090-015	7120.00			.F.	---	---	---
Iron	35	SB-091-011	9500.00			.F.	---	---	---
Iron	50	SB-098-017	7330.00			.F.	---	---	---
Lead	5	SB-090-005	24.90			.F.	5.00	1000.00	5.00
Lead	35	SB-089-016	3.70			.T.	5.00	1000.00	5.00
Lead	35	SB-090-015	2.22			.F.	5.00	1000.00	5.00
Lead	35	SB-091-011	2.85			.F.	5.00	1000.00	5.00
Lead	50	SB-098-017	2.81			.F.	5.00	1000.00	5.00
Magnesium	5	SB-090-005	9290.00			.F.	---	---	---
Magnesium	35	SB-089-016	5130.00			.T.	---	---	---
Magnesium	35	SB-090-015	2270.00			.F.	---	---	---
Magnesium	35	SB-091-011	2180.00			.F.	---	---	---
Magnesium	50	SB-098-017	2120.00			.F.	---	---	---
Manganese	5	SB-090-005	371.00			.F.	---	---	---
Manganese	35	SB-089-016	324.00			.T.	---	---	---
Manganese	35	SB-090-015	258.00			.F.	---	---	---
Manganese	35	SB-091-011	182.00			.F.	---	---	---
Manganese	50	SB-098-017	171.00			.F.	---	---	---
Mercury	5	SB-090-005	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-090-015	0.02			.F.	0.20	20.00	0.20
Mercury	35	SB-091-011	0.03			.F.	0.20	20.00	0.20
Mercury	50	SB-098-017	0.02			.F.	0.20	20.00	0.20
Molybdenum	5	SB-090-005	0.40			.F.	350.00	3500.00	---
Molybdenum	35	SB-089-016	1.10	L	J	.T.	350.00	3500.00	---
Molybdenum	35	SB-090-015	0.49			.F.	350.00	3500.00	---
Molybdenum	35	SB-091-011	2.06			.F.	350.00	3500.00	---
Molybdenum	50	SB-098-017	0.22			.F.	350.00	3500.00	---
Nickel	5	SB-090-005	25.30			.F.	20.00	2000.00	---
Nickel	35	SB-089-016	12.70			.T.	20.00	2000.00	---
Nickel	35	SB-090-015	4.71			.F.	20.00	2000.00	---
Nickel	35	SB-091-011	8.52			.F.	20.00	2000.00	---
Nickel	50	SB-098-017	4.54			.F.	20.00	2000.00	---
Potassium	5	SB-090-005	4210.00			.F.	---	---	---
Potassium	35	SB-089-016	2490.00			.T.	---	---	---
Potassium	35	SB-090-015	738.00			.F.	---	---	---
Potassium	35	SB-091-011	956.00			.F.	---	---	---
Potassium	50	SB-098-017	790.00			.F.	---	---	---
Selenium	5	SB-090-005	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-090-015	0.19			.F.	1.00	100.00	1.00
Selenium	35	SB-091-011	0.19			.F.	1.00	100.00	1.00
Selenium	50	SB-098-017	0.23			.F.	1.00	100.00	1.00
Silver	5	SB-090-005	1.03			.F.	5.00	500.00	5.00
Silver	35	SB-090-015	0.57			.F.	5.00	500.00	5.00
Silver	35	SB-091-011	0.63			.F.	5.00	500.00	5.00
Silver	50	SB-098-017	0.73			.F.	5.00	500.00	5.00

TABLE 4-14 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Sodium	5	SB-090-005	887.00			.F.	---	---	---
Sodium	35	SB-089-016	307.00	L	J	.T.	---	---	---
Sodium	35	SB-090-015	226.00			.F.	---	---	---
Sodium	35	SB-091-011	205.00			.F.	---	---	---
Sodium	50	SB-098-017	115.00			.F.	---	---	---
Thallium	5	SB-090-005	13.10			.F.	7.00	700.00	---
Thallium	35	SB-090-015	7.32			.F.	7.00	700.00	---
Thallium	35	SB-091-011	8.06			.F.	7.00	700.00	---
Thallium	50	SB-098-017	9.27			.F.	7.00	700.00	---
Vanadium	5	SB-090-005	44.70			.F.	24.00	2400.00	---
Vanadium	35	SB-089-016	33.30			.T.	24.00	2400.00	---
Vanadium	35	SB-090-015	12.40			.F.	24.00	2400.00	---
Vanadium	35	SB-091-011	14.80			.F.	24.00	2400.00	---
Vanadium	50	SB-098-017	12.80			.F.	24.00	2400.00	---
Zinc	5	SB-090-005	286.00			.F.	250.00	5000.00	---
Zinc	35	SB-089-016	42.40			.T.	250.00	5000.00	---
Zinc	35	SB-090-015	20.70			.F.	250.00	5000.00	---
Zinc	35	SB-091-011	22.00			.F.	250.00	5000.00	---
Zinc	50	SB-098-017	23.10			.F.	250.00	5000.00	---
** SEMI-VOLATILES									
2-Methylnaphthalene	0	SB-098-001	33.00			.F.	---	---	---
2-Methylnaphthalene	0	SB-098-001	31.00			.F.	---	---	---
2-Methylnaphthalene	35	SB-090-017	4100.00			.F.	---	---	---
4-Nitrophenol	10	SB-098-004	220.00	B		.F.	---	---	---
4-Nitrophenol	35	SB-090-017	870.00	J		.F.	---	---	---
Acenaphthylene	35	SB-090-014	80.00	BJ		.F.	---	---	---
Benzo(a)anthracene	0	SB-090-001	42.00	J		.F.	---	---	---
Benzo(a)anthracene	0	SB-098-001	92.00			.F.	---	---	---
Benzo(a)pyrene	0	SB-090-001	66.00	J		.F.	---	---	---
Benzo(a)pyrene	0	SB-098-001	200.00			.F.	---	---	---
Benzo(a)pyrene	5	SB-090-004	960.00			.F.	---	---	---
Benzo(a)pyrene	5	SB-090-004	300.00	J		.F.	---	---	---
Benzo(b)fluoranthene	0	SB-090-001	85.00	JX		.F.	---	---	---
Benzo(g,h,i)perylene	10	SB-098-004	93.00			.F.	---	---	---
Benzo(k)fluoranthene	0	SB-090-001	85.00	JX		.F.	---	---	---
Benzoic Acid	5	SB-090-004	320.00	J		.F.	---	---	---
Benzoic Acid	35	SB-090-017	79.00	J		.F.	---	---	---
Butylbenzylphthalate	10	SB-098-004	29.00	B		.F.	---	---	---
Chrysene	0	SB-090-001	92.00	J		.F.	---	---	---
Chrysene	5	SB-090-004	300.00	J		.F.	---	---	---
Chrysene	10	SB-098-004	17.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-091-001	98.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-098-001	82.00	B		.F.	---	---	---
Di-n-butylphthalate	0	SB-098-001	150.00	B		.F.	---	---	---
Di-n-butylphthalate	5	SB-089-001	84.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-089-004	120.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-091-004	35.00	B		.F.	---	---	---

TABLE 4-14 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Di-n-butylphthalate	10	SB-098-004	40.00	B		.F.	---	---	---
Di-n-butylphthalate	10	SB-098-004	40.00	B		.F.	---	---	---
Di-n-butylphthalate	20	SB-091-007	37.00	B		.F.	---	---	---
Di-n-butylphthalate	20	SB-098-007	83.00	B		.F.	---	---	---
Di-n-butylphthalate	30	SB-098-010	73.00	B		.F.	---	---	---
Di-n-butylphthalate	35	SB-089-015	140.00	BJ		.F.	---	---	---
Di-n-butylphthalate	40	SB-098-013	63.00	B		.F.	---	---	---
Fluoranthene	0	SB-090-001	58.00	J		.F.	---	---	---
Fluoranthene	0	SB-098-001	18.00			.F.	---	---	---
Fluoranthene	10	SB-098-004	26.00			.F.	---	---	---
Naphthalene	35	SB-090-017	1200.00			.F.	---	---	---
Pentachlorophenol	10	SB-098-004	91.00	B		.F.	---	---	---
Phenanthrene	0	SB-090-001	83.00	J		.F.	---	---	---
Phenanthrene	10	SB-098-004	19.00			.F.	---	---	---
Phenanthrene	35	SB-090-017	1000.00			.F.	---	---	---
Pyrene	0	SB-090-001	65.00	J		.F.	---	---	---
Pyrene	0	SB-091-001	36.00			.F.	---	---	---
Pyrene	0	SB-098-001	120.00			.F.	---	---	---
Pyrene	0	SB-098-001	110.00			.F.	---	---	---
Pyrene	10	SB-098-004	110.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-090-001	360.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-089-001	140.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-090-004	310.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-089-004	100.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-091-004	210.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-098-004	180.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-091-007	59.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-098-007	120.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-089-013	130.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-098-010	430.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-089-015	160.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-098-013	130.00	B		.F.	---	---	---
** VOLATILES									
2-Butanone	0	SB-098-001	4.00			.F.	---	---	---
2-Butanone	5	SB-089-001	15.00	B		.F.	---	---	---
2-Butanone	10	SB-089-004	15.00	B		.F.	---	---	---
2-Butanone	30	SB-089-013	12.00	B		.F.	---	---	---
2-Butanone	35	SB-089-015	14.00	B		.F.	---	---	---
2-Butanone	40	SB-098-013	3.00			.F.	---	---	---
Acetone	0	SB-090-001	55.00	B		.F.	---	---	---
Acetone	0	SB-098-001	46.00	B		.F.	---	---	---
Acetone	5	SB-089-001	9.00	BJ		.F.	---	---	---
Acetone	10	SB-089-004	11.00	BJ		.F.	---	---	---
Acetone	10	SB-091-004	24.00	B		.F.	---	---	---
Acetone	10	SB-098-004	24.00	B		.F.	---	---	---
Acetone	10	SB-098-004	73.00	B		.F.	---	---	---
Acetone	20	SB-091-007	14.00	B		.F.	---	---	---

TABLE 4-14 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLIC LIMIT	WASTE LIMIT
Acetone	20	SB-098-007	25.00	B		.F.	---	---	---
Acetone	30	SB-089-013	9.00	BJ		.F.	---	---	---
Acetone	30	SB-098-010	27.00	B		.F.	---	---	---
Acetone	35	SB-089-015	11.00	B		.F.	---	---	---
Acetone	40	SB-098-013	79.00	B		.F.	---	---	---
Chloroform	0	SB-090-001	1.00	J		.F.	---	---	---
Ethylbenzene	10	SB-091-004	3.00			.F.	---	---	---
Ethylbenzene	20	SB-098-007	2.00			.F.	---	---	---
Ethylbenzene	35	SB-091-010	300.00	J		.F.	---	---	---
Methylene Chloride	0	SB-090-001	7.00	B		.F.	---	---	---
Methylene Chloride	0	SB-090-001	17.00	B		.F.	---	---	---
Methylene Chloride	0	SB-098-001	17.00	B		.F.	---	---	---
Methylene Chloride	5	SB-089-001	5.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-090-004	810.00	J		.F.	---	---	---
Methylene Chloride	10	SB-089-004	4.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-091-004	21.00	B		.F.	---	---	---
Methylene Chloride	10	SB-098-004	33.00	B		.F.	---	---	---
Methylene Chloride	10	SB-098-004	15.00	B		.F.	---	---	---
Methylene Chloride	20	SB-091-007	14.00	B		.F.	---	---	---
Methylene Chloride	20	SB-098-007	19.00	B		.F.	---	---	---
Methylene Chloride	30	SB-089-013	2.00	BJ		.F.	---	---	---
Methylene Chloride	30	SB-098-010	10.00	B		.F.	---	---	---
Methylene Chloride	35	SB-089-015	2.00	BJ		.F.	---	---	---
Methylene Chloride	35	SB-090-014	15.00			.F.	---	---	---
Methylene Chloride	35	SB-090-017	15.00			.F.	---	---	---
Methylene Chloride	40	SB-098-013	15.00	B		.F.	---	---	---
Methylene Chloride	50	SB-098-016	4.00	J		.F.	---	---	---
Styrene	10	SB-091-004	1.00			.F.	---	---	---
Tetrachloroethene	35	SB-091-010	1200.00	B		.F.	---	---	---
Toluene	0	SB-090-001	4.00			.F.	---	---	---
Toluene	0	SB-098-001	38.00			.F.	---	---	---
Toluene	5	SB-089-001	55.00			.F.	---	---	---
Toluene	10	SB-089-004	35.00			.F.	---	---	---
Toluene	10	SB-091-004	3.00	B		.F.	---	---	---
Toluene	10	SB-098-004	1.00			.F.	---	---	---
Toluene	10	SB-098-004	46.00			.F.	---	---	---
Toluene	20	SB-091-007	1.00	B		.F.	---	---	---
Toluene	20	SB-098-007	3.00			.F.	---	---	---
Toluene	30	SB-089-013	3.00	J		.F.	---	---	---
Toluene	30	SB-098-010	1.00			.F.	---	---	---
Toluene	35	SB-089-015	11.00			.F.	---	---	---
Xylene (total)	0	SB-090-001	4.00	B		.F.	---	---	---

TABLE 4-15

CHEMICAL CHARACTERISTICS - AREA 8
WASTE DISPOSAL INC.

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLC LIMIT	WASTE LIMIT
** METALS									
Aluminum	0	SB-075-002	11300.00			.F.	---	---	---
Aluminum	5	SB-075-006	19700.00			.F.	---	---	---
Aluminum	5	SB-077-002	18200.00			.F.	---	---	---
Aluminum	5	SB-083-004	11100.00			.T.	---	---	---
Aluminum	5	SB-084-002	18600.00			.T.	---	---	---
Aluminum	10	SB-083-006	20200.00			.T.	---	---	---
Aluminum	10	SB-083-008	19300.00			.T.	---	---	---
Aluminum	10	SB-084-005	18300.00			.F.	---	---	---
Aluminum	10	SB-104-005	8280.00			.T.	---	---	---
Aluminum	15	SB-083-010	18100.00			.F.	---	---	---
Aluminum	20	SB-083-013	9700.00			.T.	---	---	---
Aluminum	20	SB-084-009	8000.00			.T.	---	---	---
Aluminum	20	SB-088-012	5290.00			.T.	---	---	---
Aluminum	25	SB-088-015	5560.00			.T.	---	---	---
Aluminum	30	SB-088-018	16700.00			.T.	---	---	---
Aluminum	35	SB-075-016	13000.00			.F.	---	---	---
Aluminum	35	SB-083-016	20800.00			.F.	---	---	---
Aluminum	35	SB-084-012	17000.00			.F.	---	---	---
Aluminum	35	SB-088-021	3680.00			.T.	---	---	---
Aluminum	35	SB-104-013	39600.00			.T.	---	---	---
Aluminum	40	SB-083-002	9930.00			.T.	---	---	---
Aluminum	40	SB-083-019	6100.00			.F.	---	---	---
Aluminum	40	SB-088-024	5720.00			.T.	---	---	---
Aluminum	45	SB-083-022	4690.00			.F.	---	---	---
Aluminum	45	SB-088-027	4120.00			.T.	---	---	---
Antimony	0	SB-075-002	6.10			.F.	15.00	500.00	---
Antimony	5	SB-075-006	16.00			.F.	15.00	500.00	---
Antimony	5	SB-077-002	8.30			.F.	15.00	500.00	---
Antimony	10	SB-083-006	9.40	L	J	.T.	15.00	500.00	---
Antimony	10	SB-083-008	6.60	L	J	.T.	15.00	500.00	---
Antimony	10	SB-084-005	6.60			.F.	15.00	500.00	---
Antimony	15	SB-083-010	5.00			.F.	15.00	500.00	---
Antimony	35	SB-075-016	5.60			.F.	15.00	500.00	---
Antimony	35	SB-083-016	5.70			.F.	15.00	500.00	---
Antimony	35	SB-084-012	5.60			.F.	15.00	500.00	---
Antimony	35	SB-104-013	9.10	L	J	.T.	15.00	500.00	---
Antimony	40	SB-083-002	173.00			.T.	15.00	500.00	---
Antimony	40	SB-083-019	5.90			.F.	15.00	500.00	---
Antimony	45	SB-083-022	5.50			.F.	15.00	500.00	---
Arsenic	0	SB-075-002	5.31			.F.	5.00	500.00	5.00
Arsenic	5	SB-075-006	5.66			.F.	5.00	500.00	5.00
Arsenic	5	SB-077-002	4.87			.F.	5.00	500.00	5.00
Arsenic	5	SB-083-004	6.10			.T.	5.00	500.00	5.00
Arsenic	5	SB-084-002	4.20			.T.	5.00	500.00	5.00
Arsenic	10	SB-083-006	7.10			.T.	5.00	500.00	5.00
Arsenic	10	SB-083-008	5.40			.T.	5.00	500.00	5.00
Arsenic	10	SB-084-005	3.40			.F.	5.00	500.00	5.00

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
Arsenic	10	SB-104-005	3.30			.T.	5.00	500.00	5.00
Arsenic	15	SB-083-010	6.53			.F.	5.00	500.00	5.00
Arsenic	20	SB-083-013	5.80			.T.	5.00	500.00	5.00
Arsenic	20	SB-084-009	2.40			.T.	5.00	500.00	5.00
Arsenic	20	SB-088-012	3.90			.T.	5.00	500.00	5.00
Arsenic	25	SB-088-015	2.40			.T.	5.00	500.00	5.00
Arsenic	30	SB-088-018	10.50			.T.	5.00	500.00	5.00
Arsenic	35	SB-075-016	7.02			.F.	5.00	500.00	5.00
Arsenic	35	SB-083-016	12.20			.F.	5.00	500.00	5.00
Arsenic	35	SB-084-012	8.37			.F.	5.00	500.00	5.00
Arsenic	35	SB-088-021	2.80			.T.	5.00	500.00	5.00
Arsenic	35	SB-104-013	18.00	L	J	.T.	5.00	500.00	5.00
Arsenic	40	SB-083-002	15.10			.T.	5.00	500.00	5.00
Arsenic	40	SB-083-019	3.53			.F.	5.00	500.00	5.00
Arsenic	40	SB-088-024	2.60			.T.	5.00	500.00	5.00
Arsenic	45	SB-083-022	1.90			.F.	5.00	500.00	5.00
Arsenic	45	SB-088-027	2.00			.T.	5.00	500.00	5.00
Barium	0	SB-075-002	233.00			.F.	100.00	10000.00	100.00
Barium	5	SB-075-006	146.00			.F.	100.00	10000.00	100.00
Barium	5	SB-077-002	1090.00			.F.	100.00	10000.00	100.00
Barium	5	SB-083-004	107.00			.T.	100.00	10000.00	100.00
Barium	5	SB-084-002	166.00			.T.	100.00	10000.00	100.00
Barium	10	SB-083-006	155.00			.T.	100.00	10000.00	100.00
Barium	10	SB-083-008	143.00			.T.	100.00	10000.00	100.00
Barium	10	SB-084-005	164.00			.F.	100.00	10000.00	100.00
Barium	10	SB-104-005	75.20			.T.	100.00	10000.00	100.00
Barium	15	SB-083-010	124.00			.F.	100.00	10000.00	100.00
Barium	20	SB-083-013	109.00			.T.	100.00	10000.00	100.00
Barium	20	SB-084-009	51.60			.T.	100.00	10000.00	100.00
Barium	20	SB-088-012	46.00			.T.	100.00	10000.00	100.00
Barium	25	SB-088-015	46.90			.T.	100.00	10000.00	100.00
Barium	30	SB-088-018	150.00			.T.	100.00	10000.00	100.00
Barium	35	SB-075-016	121.00			.F.	100.00	10000.00	100.00
Barium	35	SB-083-016	263.00			.F.	100.00	10000.00	100.00
Barium	35	SB-084-012	150.00			.F.	100.00	10000.00	100.00
Barium	35	SB-088-021	38.10	L	J	.T.	100.00	10000.00	100.00
Barium	35	SB-104-013	349.00			.T.	100.00	10000.00	100.00
Barium	40	SB-083-002	192.00			.T.	100.00	10000.00	100.00
Barium	40	SB-083-019	67.60			.F.	100.00	10000.00	100.00
Barium	40	SB-088-024	50.70			.T.	100.00	10000.00	100.00
Barium	45	SB-083-022	51.10			.F.	100.00	10000.00	100.00
Barium	45	SB-088-027	29.80	L	J	.T.	100.00	10000.00	100.00
Beryllium	0	SB-075-002	0.21			.F.	0.75	75.00	---
Beryllium	5	SB-075-006	0.25			.F.	0.75	75.00	---
Beryllium	5	SB-077-002	0.36			.F.	0.75	75.00	---
Beryllium	5	SB-083-004	1.00			.T.	0.75	75.00	---
Beryllium	5	SB-084-002	1.20			.T.	0.75	75.00	---
Beryllium	10	SB-083-006	1.10			.T.	0.75	75.00	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Beryllium	10	SB-083-008	1.00			.T.	0.75	75.00	---
Beryllium	10	SB-084-005	0.23			.F.	0.75	75.00	---
Beryllium	10	SB-104-005	0.97	L	J	.T.	0.75	75.00	---
Beryllium	15	SB-083-010	0.17			.F.	0.75	75.00	---
Beryllium	20	SB-083-013	1.10			.T.	0.75	75.00	---
Beryllium	20	SB-084-009	1.10			.T.	0.75	75.00	---
Beryllium	25	SB-088-015	0.24	L	J	.T.	0.75	75.00	---
Beryllium	30	SB-088-018	1.30			.T.	0.75	75.00	---
Beryllium	35	SB-075-016	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-083-016	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-084-012	0.19			.F.	0.75	75.00	---
Beryllium	35	SB-104-013	1.00	L	J	.T.	0.75	75.00	---
Beryllium	40	SB-083-002	1.10			.T.	0.75	75.00	---
Beryllium	40	SB-083-019	0.20			.F.	0.75	75.00	---
Beryllium	40	SB-088-024	0.25	L	J	.T.	0.75	75.00	---
Beryllium	45	SB-083-022	0.31			.F.	0.75	75.00	---
Cadmium	0	SB-075-002	0.89			.F.	1.00	100.00	1.00
Cadmium	5	SB-075-006	1.84			.F.	1.00	100.00	1.00
Cadmium	5	SB-077-002	1.87			.F.	1.00	100.00	1.00
Cadmium	5	SB-084-002	1.70			.T.	1.00	100.00	1.00
Cadmium	10	SB-083-006	0.70	L	J	.T.	1.00	100.00	1.00
Cadmium	10	SB-084-005	0.81			.F.	1.00	100.00	1.00
Cadmium	15	SB-083-010	0.33			.F.	1.00	100.00	1.00
Cadmium	30	SB-088-018	1.20	L	J	.T.	1.00	100.00	1.00
Cadmium	35	SB-075-016	0.37			.F.	1.00	100.00	1.00
Cadmium	35	SB-083-016	0.41			.F.	1.00	100.00	1.00
Cadmium	35	SB-084-012	0.46			.F.	1.00	100.00	1.00
Cadmium	40	SB-083-019	0.39			.F.	1.00	100.00	1.00
Cadmium	40	SB-088-024	0.99	L	J	.T.	1.00	100.00	1.00
Cadmium	45	SB-083-022	0.36			.F.	1.00	100.00	1.00
Calcium	0	SB-075-002	8080.00			.F.	---	---	---
Calcium	5	SB-075-006	13500.00			.F.	---	---	---
Calcium	5	SB-077-002	13200.00			.F.	---	---	---
Calcium	5	SB-083-004	8100.00			.T.	---	---	---
Calcium	5	SB-084-002	3270.00			.T.	---	---	---
Calcium	10	SB-083-006	3250.00			.T.	---	---	---
Calcium	10	SB-083-008	3930.00			.T.	---	---	---
Calcium	10	SB-084-005	13600.00			.F.	---	---	---
Calcium	10	SB-104-005	5800.00			.T.	---	---	---
Calcium	15	SB-083-010	5720.00			.F.	---	---	---
Calcium	20	SB-083-013	4640.00			.T.	---	---	---
Calcium	20	SB-084-009	4460.00			.T.	---	---	---
Calcium	20	SB-088-012	2080.00			.T.	---	---	---
Calcium	25	SB-088-015	2460.00			.T.	---	---	---
Calcium	30	SB-088-018	5990.00			.T.	---	---	---
Calcium	35	SB-075-016	4320.00			.F.	---	---	---
Calcium	35	SB-083-016	7680.00			.F.	---	---	---
Calcium	35	SB-084-012	5920.00			.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Calcium	35	SB-088-021	1730.00			.T.	---	---	---
Calcium	35	SB-104-013	11600.00			.T.	---	---	---
Calcium	40	SB-083-002	3450.00			.T.	---	---	---
Calcium	40	SB-083-019	2390.00			.F.	---	---	---
Calcium	40	SB-088-024	2240.00			.T.	---	---	---
Calcium	45	SB-083-022	2140.00			.F.	---	---	---
Calcium	45	SB-088-027	2290.00			.T.	---	---	---
Chromium	0	SB-075-002	22.30			.F.	560.00	2500.00	5.00
Chromium	5	SB-075-006	38.10			.F.	560.00	2500.00	5.00
Chromium	5	SB-077-002	38.10			.F.	560.00	2500.00	5.00
Chromium	5	SB-083-004	20.80			.T.	560.00	2500.00	5.00
Chromium	5	SB-084-002	27.00			.T.	560.00	2500.00	5.00
Chromium	10	SB-083-006	28.80			.T.	560.00	2500.00	5.00
Chromium	10	SB-083-008	27.70			.T.	560.00	2500.00	5.00
Chromium	10	SB-084-005	34.20			.F.	560.00	2500.00	5.00
Chromium	10	SB-104-005	15.80			.T.	560.00	2500.00	5.00
Chromium	15	SB-083-010	28.10			.F.	560.00	2500.00	5.00
Chromium	20	SB-083-013	21.80			.T.	560.00	2500.00	5.00
Chromium	20	SB-084-009	17.50			.T.	560.00	2500.00	5.00
Chromium	20	SB-088-012	7.90			.T.	560.00	2500.00	5.00
Chromium	25	SB-088-015	14.90			.T.	560.00	2500.00	5.00
Chromium	30	SB-088-018	26.40			.T.	560.00	2500.00	5.00
Chromium	35	SB-075-016	21.70			.F.	560.00	2500.00	5.00
Chromium	35	SB-083-016	30.50			.F.	560.00	2500.00	5.00
Chromium	35	SB-084-012	25.00			.F.	560.00	2500.00	5.00
Chromium	35	SB-088-021	6.20			.T.	560.00	2500.00	5.00
Chromium	35	SB-104-013	62.70			.T.	560.00	2500.00	5.00
Chromium	40	SB-083-002	21.60			.T.	560.00	2500.00	5.00
Chromium	40	SB-083-019	10.30			.F.	560.00	2500.00	5.00
Chromium	40	SB-088-024	8.50			.T.	560.00	2500.00	5.00
Chromium	45	SB-083-022	9.88			.F.	560.00	2500.00	5.00
Chromium	45	SB-088-027	5.80			.T.	560.00	2500.00	5.00
Cobalt	0	SB-075-002	12.10			.F.	80.00	8000.00	---
Cobalt	5	SB-075-006	14.90			.F.	80.00	8000.00	---
Cobalt	5	SB-077-002	17.50			.F.	80.00	8000.00	---
Cobalt	5	SB-083-004	10.80			.T.	80.00	8000.00	---
Cobalt	5	SB-084-002	15.10			.T.	80.00	8000.00	---
Cobalt	10	SB-083-006	15.90			.T.	80.00	8000.00	---
Cobalt	10	SB-083-008	15.00			.T.	80.00	8000.00	---
Cobalt	10	SB-084-005	12.60			.F.	80.00	8000.00	---
Cobalt	10	SB-104-005	6.80	L	J	.T.	80.00	8000.00	---
Cobalt	15	SB-083-010	14.30			.F.	80.00	8000.00	---
Cobalt	20	SB-083-013	9.90	L	J	.T.	80.00	8000.00	---
Cobalt	20	SB-084-009	6.70	L	J	.T.	80.00	8000.00	---
Cobalt	20	SB-088-012	5.40	L	J	.T.	80.00	8000.00	---
Cobalt	25	SB-088-015	4.00	L	J	.T.	80.00	8000.00	---
Cobalt	30	SB-088-018	16.00			.T.	80.00	8000.00	---
Cobalt	35	SB-075-016	10.70			.F.	80.00	8000.00	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Cobalt	35	SB-083-016	18.50			.F.	80.00	8000.00	---
Cobalt	35	SB-084-012	15.90			.F.	80.00	8000.00	---
Cobalt	35	SB-088-021	4.20	L	J	.T.	80.00	8000.00	---
Cobalt	35	SB-104-013	31.80			.T.	80.00	8000.00	---
Cobalt	40	SB-083-002	8.90	L	J	.T.	80.00	8000.00	---
Cobalt	40	SB-083-019	6.40			.F.	80.00	8000.00	---
Cobalt	40	SB-088-024	6.10	L	J	.T.	80.00	8000.00	---
Cobalt	45	SB-083-022	3.92			.F.	80.00	8000.00	---
Cobalt	45	SB-088-027	3.30	L	J	.T.	80.00	8000.00	---
Copper	0	SB-075-002	30.70			.F.	25.00	2500.00	---
Copper	5	SB-075-006	35.70			.F.	25.00	2500.00	---
Copper	5	SB-077-002	46.30			.F.	25.00	2500.00	---
Copper	5	SB-083-004	19.70		J	.T.	25.00	2500.00	---
Copper	5	SB-084-002	24.70		J	.T.	25.00	2500.00	---
Copper	10	SB-083-006	75.10		J	.T.	25.00	2500.00	---
Copper	10	SB-083-008	39.80		J	.T.	25.00	2500.00	---
Copper	10	SB-084-005	29.70			.F.	25.00	2500.00	---
Copper	10	SB-104-005	14.10		J	.T.	25.00	2500.00	---
Copper	15	SB-083-010	30.00			.F.	25.00	2500.00	---
Copper	20	SB-083-013	21.40		J	.T.	25.00	2500.00	---
Copper	20	SB-084-009	11.20		J	.T.	25.00	2500.00	---
Copper	20	SB-088-012	7.40		J	.T.	25.00	2500.00	---
Copper	25	SB-088-015	8.80		J	.T.	25.00	2500.00	---
Copper	30	SB-088-018	31.30		J	.T.	25.00	2500.00	---
Copper	35	SB-075-016	22.10			.F.	25.00	2500.00	---
Copper	35	SB-083-016	42.90			.F.	25.00	2500.00	---
Copper	35	SB-084-012	29.40			.F.	25.00	2500.00	---
Copper	35	SB-088-021	5.10		J	.T.	25.00	2500.00	---
Copper	35	SB-104-013	67.10		J	.T.	25.00	2500.00	---
Copper	40	SB-083-002	270.00		J	.T.	25.00	2500.00	---
Copper	40	SB-083-019	11.30			.F.	25.00	2500.00	---
Copper	40	SB-088-024	10.30		J	.T.	25.00	2500.00	---
Copper	45	SB-083-022	7.76			.F.	25.00	2500.00	---
Copper	45	SB-088-027	5.10		J	.T.	25.00	2500.00	---
Iron	0	SB-075-002	18800.00			.F.	---	---	---
Iron	5	SB-075-006	32300.00			.F.	---	---	---
Iron	5	SB-077-002	31600.00			.F.	---	---	---
Iron	5	SB-083-004	20000.00			.T.	---	---	---
Iron	5	SB-084-002	26400.00			.T.	---	---	---
Iron	10	SB-083-006	27900.00			.T.	---	---	---
Iron	10	SB-083-008	26200.00			.T.	---	---	---
Iron	10	SB-084-005	24500.00			.F.	---	---	---
Iron	10	SB-104-005	16700.00			.T.	---	---	---
Iron	15	SB-083-010	23800.00			.F.	---	---	---
Iron	20	SB-083-013	17300.00			.T.	---	---	---
Iron	20	SB-084-009	14700.00			.T.	---	---	---
Iron	20	SB-088-012	9580.00			.T.	---	---	---
Iron	25	SB-088-015	9770.00			.T.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Iron	30	SB-088-018	28400.00			.T.	---	---	---
Iron	35	SB-075-016	21000.00			.F.	---	---	---
Iron	35	SB-083-016	31400.00			.F.	---	---	---
Iron	35	SB-084-012	27400.00			.F.	---	---	---
Iron	35	SB-088-021	7130.00			.T.	---	---	---
Iron	35	SB-104-013	61600.00			.T.	---	---	---
Iron	40	SB-083-002	19600.00			.T.	---	---	---
Iron	40	SB-083-019	12300.00			.F.	---	---	---
Iron	40	SB-088-024	10200.00			.T.	---	---	---
Iron	45	SB-083-022	8520.00			.F.	---	---	---
Iron	45	SB-088-027	7280.00			.T.	---	---	---
Lead	0	SB-075-002	48.40			.F.	5.00	1000.00	5.00
Lead	5	SB-075-006	13.10			.F.	5.00	1000.00	5.00
Lead	5	SB-077-002	19.10			.F.	5.00	1000.00	5.00
Lead	5	SB-083-004	11.90			.T.	5.00	1000.00	5.00
Lead	5	SB-084-002	6.60			.T.	5.00	1000.00	5.00
Lead	10	SB-083-006	6.40			.T.	5.00	1000.00	5.00
Lead	10	SB-083-008	29.50			.T.	5.00	1000.00	5.00
Lead	10	SB-084-005	24.30			.F.	5.00	1000.00	5.00
Lead	10	SB-104-005	4.40			.T.	5.00	1000.00	5.00
Lead	15	SB-083-010	12.30			.F.	5.00	1000.00	5.00
Lead	20	SB-083-013	3.90			.T.	5.00	1000.00	5.00
Lead	20	SB-084-009	2.10			.T.	5.00	1000.00	5.00
Lead	20	SB-088-012	1.70			.T.	5.00	1000.00	5.00
Lead	25	SB-088-015	2.00			.T.	5.00	1000.00	5.00
Lead	30	SB-088-018	5.80			.T.	5.00	1000.00	5.00
Lead	35	SB-075-016	6.17			.F.	5.00	1000.00	5.00
Lead	35	SB-083-016	7.15			.F.	5.00	1000.00	5.00
Lead	35	SB-084-012	6.52			.F.	5.00	1000.00	5.00
Lead	35	SB-088-021	2.40			.T.	5.00	1000.00	5.00
Lead	35	SB-104-013	13.80			.T.	5.00	1000.00	5.00
Lead	40	SB-083-002	2640.00			.T.	5.00	1000.00	5.00
Lead	40	SB-083-019	6.47			.F.	5.00	1000.00	5.00
Lead	40	SB-088-024	2.20			.T.	5.00	1000.00	5.00
Lead	45	SB-083-022	5.98			.F.	5.00	1000.00	5.00
Lead	45	SB-088-027	1.90			.T.	5.00	1000.00	5.00
Magnesium	0	SB-075-002	6210.00			.F.	---	---	---
Magnesium	5	SB-075-006	10900.00			.F.	---	---	---
Magnesium	5	SB-077-002	12000.00			.F.	---	---	---
Magnesium	5	SB-083-004	6560.00			.T.	---	---	---
Magnesium	5	SB-084-002	6040.00			.T.	---	---	---
Magnesium	10	SB-083-006	6770.00			.T.	---	---	---
Magnesium	10	SB-083-008	6300.00			.T.	---	---	---
Magnesium	10	SB-084-005	9740.00			.F.	---	---	---
Magnesium	10	SB-104-005	6120.00			.T.	---	---	---
Magnesium	15	SB-083-010	6900.00			.F.	---	---	---
Magnesium	20	SB-083-013	5330.00			.T.	---	---	---
Magnesium	20	SB-084-009	4000.00			.T.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Magnesium	20	SB-088-012	2980.00			.T.	---	---	---
Magnesium	25	SB-088-015	2980.00			.T.	---	---	---
Magnesium	30	SB-088-018	9970.00			.T.	---	---	---
Magnesium	35	SB-075-016	7120.00			.F.	---	---	---
Magnesium	35	SB-083-016	9950.00			.F.	---	---	---
Magnesium	35	SB-084-012	8550.00			.F.	---	---	---
Magnesium	35	SB-088-021	2160.00			.T.	---	---	---
Magnesium	35	SB-104-013	22400.00			.T.	---	---	---
Magnesium	40	SB-083-002	4520.00			.T.	---	---	---
Magnesium	40	SB-083-019	3380.00			.F.	---	---	---
Magnesium	40	SB-088-024	3220.00			.T.	---	---	---
Magnesium	45	SB-083-022	2530.00			.F.	---	---	---
Magnesium	45	SB-088-027	2040.00			.T.	---	---	---
Manganese	0	SB-075-002	245.00			.F.	---	---	---
Manganese	5	SB-075-006	392.00			.F.	---	---	---
Manganese	5	SB-077-002	339.00			.F.	---	---	---
Manganese	5	SB-083-004	317.00			.T.	---	---	---
Manganese	5	SB-084-002	742.00			.T.	---	---	---
Manganese	10	SB-083-006	720.00			.T.	---	---	---
Manganese	10	SB-083-008	549.00			.T.	---	---	---
Manganese	10	SB-084-005	321.00			.F.	---	---	---
Manganese	10	SB-104-005	227.00			.T.	---	---	---
Manganese	15	SB-083-010	429.00			.F.	---	---	---
Manganese	20	SB-083-013	262.00			.T.	---	---	---
Manganese	20	SB-084-009	147.00			.T.	---	---	---
Manganese	20	SB-088-012	155.00			.T.	---	---	---
Manganese	25	SB-088-015	98.40			.T.	---	---	---
Manganese	30	SB-088-018	384.00			.T.	---	---	---
Manganese	35	SB-075-016	286.00			.F.	---	---	---
Manganese	35	SB-083-016	1150.00			.F.	---	---	---
Manganese	35	SB-084-012	466.00			.F.	---	---	---
Manganese	35	SB-088-021	184.00			.T.	---	---	---
Manganese	35	SB-104-013	1140.00			.T.	---	---	---
Manganese	40	SB-083-002	176.00			.T.	---	---	---
Manganese	40	SB-083-019	248.00			.F.	---	---	---
Manganese	40	SB-088-024	205.00			.T.	---	---	---
Manganese	45	SB-083-022	149.00			.F.	---	---	---
Manganese	45	SB-088-027	128.00			.T.	---	---	---
Mercury	0	SB-075-002	0.09			.F.	0.20	20.00	0.20
Mercury	5	SB-075-006	0.07			.F.	0.20	20.00	0.20
Mercury	5	SB-077-002	0.06			.F.	0.20	20.00	0.20
Mercury	5	SB-083-004	0.16		J	.T.	0.20	20.00	0.20
Mercury	10	SB-084-005	0.05			.F.	0.20	20.00	0.20
Mercury	10	SB-104-005	0.10		J	.T.	0.20	20.00	0.20
Mercury	15	SB-083-010	0.08			.F.	0.20	20.00	0.20
Mercury	20	SB-083-013	0.14		J	.T.	0.20	20.00	0.20
Mercury	20	SB-084-009	0.13		J	.T.	0.20	20.00	0.20
Mercury	25	SB-088-015	0.17		J	.T.	0.20	20.00	0.20

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Mercury	35	SB-075-016	0.27			.F.	0.20	20.00	0.20
Mercury	35	SB-083-016	0.08			.F.	0.20	20.00	0.20
Mercury	35	SB-084-012	0.04			.F.	0.20	20.00	0.20
Mercury	40	SB-083-002	0.25		J	.T.	0.20	20.00	0.20
Mercury	40	SB-083-019	0.04			.F.	0.20	20.00	0.20
Mercury	45	SB-083-022	0.02			.F.	0.20	20.00	0.20
Molybdenum	0	SB-075-002	1.94			.F.	350.00	3500.00	---
Molybdenum	5	SB-075-006	2.27			.F.	350.00	3500.00	---
Molybdenum	5	SB-077-002	1.11			.F.	350.00	3500.00	---
Molybdenum	5	SB-083-004	1.80	L	J	.T.	350.00	3500.00	---
Molybdenum	10	SB-084-005	0.68			.F.	350.00	3500.00	---
Molybdenum	15	SB-083-010	0.55			.F.	350.00	3500.00	---
Molybdenum	20	SB-083-013	1.10			.T.	350.00	3500.00	---
Molybdenum	20	SB-084-009	1.40	L	J	.T.	350.00	3500.00	---
Molybdenum	35	SB-075-016	0.53			.F.	350.00	3500.00	---
Molybdenum	35	SB-083-016	0.63			.F.	350.00	3500.00	---
Molybdenum	35	SB-084-012	0.56			.F.	350.00	3500.00	---
Molybdenum	40	SB-083-002	1.40	L	J	.T.	350.00	3500.00	---
Molybdenum	40	SB-083-019	0.62			.F.	350.00	3500.00	---
Molybdenum	45	SB-083-022	0.49			.F.	350.00	3500.00	---
Nickel	0	SB-075-002	15.40			.F.	20.00	2000.00	---
Nickel	5	SB-075-006	26.60			.F.	20.00	2000.00	---
Nickel	5	SB-077-002	34.40			.F.	20.00	2000.00	---
Nickel	5	SB-083-004	15.20			.T.	20.00	2000.00	---
Nickel	5	SB-084-002	18.90			.T.	20.00	2000.00	---
Nickel	10	SB-083-006	21.10			.T.	20.00	2000.00	---
Nickel	10	SB-083-008	20.10			.T.	20.00	2000.00	---
Nickel	10	SB-084-005	24.60			.F.	20.00	2000.00	---
Nickel	10	SB-104-005	11.50			.T.	20.00	2000.00	---
Nickel	15	SB-083-010	21.30			.F.	20.00	2000.00	---
Nickel	20	SB-083-013	13.00			.T.	20.00	2000.00	---
Nickel	20	SB-084-009	9.70			.T.	20.00	2000.00	---
Nickel	20	SB-088-012	6.10	L	J	.T.	20.00	2000.00	---
Nickel	25	SB-088-015	5.20	L	J	.T.	20.00	2000.00	---
Nickel	30	SB-088-018	21.60			.T.	20.00	2000.00	---
Nickel	35	SB-075-016	16.40			.F.	20.00	2000.00	---
Nickel	35	SB-083-016	25.30			.F.	20.00	2000.00	---
Nickel	35	SB-084-012	22.80			.F.	20.00	2000.00	---
Nickel	35	SB-088-021	4.00	L	J	.T.	20.00	2000.00	---
Nickel	35	SB-104-013	48.50			.T.	20.00	2000.00	---
Nickel	40	SB-083-002	17.00			.T.	20.00	2000.00	---
Nickel	40	SB-083-019	7.58			.F.	20.00	2000.00	---
Nickel	40	SB-088-024	6.60	L	J	.T.	20.00	2000.00	---
Nickel	45	SB-083-022	6.61			.F.	20.00	2000.00	---
Nickel	45	SB-088-027	5.40	L	J	.T.	20.00	2000.00	---
Potassium	0	SB-075-002	3210.00			.F.	---	---	---
Potassium	5	SB-075-006	6420.00			.F.	---	---	---
Potassium	5	SB-077-002	5760.00			.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Potassium	5	SB-083-004	3060.00			.T.	---	---	---
Potassium	5	SB-084-002	5710.00			.T.	---	---	---
Potassium	10	SB-083-006	4730.00			.T.	---	---	---
Potassium	10	SB-083-008	4360.00			.T.	---	---	---
Potassium	10	SB-084-005	5130.00			.F.	---	---	---
Potassium	10	SB-104-005	2780.00			.T.	---	---	---
Potassium	15	SB-083-010	3070.00			.F.	---	---	---
Potassium	20	SB-083-013	1910.00			.T.	---	---	---
Potassium	20	SB-084-009	2430.00			.T.	---	---	---
Potassium	20	SB-088-012	1430.00			.T.	---	---	---
Potassium	25	SB-088-015	1140.00			.T.	---	---	---
Potassium	30	SB-088-018	4760.00			.T.	---	---	---
Potassium	35	SB-075-016	4960.00			.F.	---	---	---
Potassium	35	SB-083-016	5920.00			.F.	---	---	---
Potassium	35	SB-084-012	5640.00			.F.	---	---	---
Potassium	35	SB-088-021	712.00	L	J	.T.	---	---	---
Potassium	35	SB-104-013	13600.00			.T.	---	---	---
Potassium	40	SB-083-002	3230.00			.T.	---	---	---
Potassium	40	SB-083-019	2030.00			.F.	---	---	---
Potassium	40	SB-088-024	1630.00			.T.	---	---	---
Potassium	45	SB-083-022	1270.00			.F.	---	---	---
Potassium	45	SB-088-027	858.00	L	J	.T.	---	---	---
Selenium	0	SB-075-002	0.42			.F.	1.00	100.00	1.00
Selenium	5	SB-075-006	0.76			.F.	1.00	100.00	1.00
Selenium	5	SB-077-002	0.52			.F.	1.00	100.00	1.00
Selenium	5	SB-083-004	0.47	L	J	.T.	1.00	100.00	1.00
Selenium	10	SB-084-005	0.55			.F.	1.00	100.00	1.00
Selenium	15	SB-083-010	0.22			.F.	1.00	100.00	1.00
Selenium	20	SB-083-013	0.70	L	J	.T.	1.00	100.00	1.00
Selenium	35	SB-075-016	0.26			.F.	1.00	100.00	1.00
Selenium	35	SB-083-016	0.25			.F.	1.00	100.00	1.00
Selenium	35	SB-084-012	0.22			.F.	1.00	100.00	1.00
Selenium	40	SB-083-019	0.23			.F.	1.00	100.00	1.00
Selenium	45	SB-083-022	0.20			.F.	1.00	100.00	1.00
Silver	0	SB-075-002	0.66			.F.	5.00	500.00	5.00
Silver	5	SB-075-006	3.95			.F.	5.00	500.00	5.00
Silver	5	SB-077-002	0.89			.F.	5.00	500.00	5.00
Silver	10	SB-084-005	0.71			.F.	5.00	500.00	5.00
Silver	15	SB-083-010	0.54			.F.	5.00	500.00	5.00
Silver	35	SB-075-016	0.61			.F.	5.00	500.00	5.00
Silver	35	SB-083-016	0.62			.F.	5.00	500.00	5.00
Silver	35	SB-084-012	0.60			.F.	5.00	500.00	5.00
Silver	40	SB-083-019	0.64			.F.	5.00	500.00	5.00
Silver	45	SB-083-022	0.59			.F.	5.00	500.00	5.00
Sodium	0	SB-075-002	410.00			.F.	---	---	---
Sodium	5	SB-075-006	733.00			.F.	---	---	---
Sodium	5	SB-077-002	1330.00			.F.	---	---	---
Sodium	5	SB-083-004	425.00	L	J	.T.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Sodium	5	SB-084-002	405.00	L	J	.T.	---	---	---
Sodium	10	SB-083-006	628.00	L	J	.T.	---	---	---
Sodium	10	SB-083-008	599.00	L	J	.T.	---	---	---
Sodium	10	SB-084-005	958.00			.F.	---	---	---
Sodium	10	SB-104-005	306.00	L	J	.T.	---	---	---
Sodium	15	SB-083-010	858.00			.F.	---	---	---
Sodium	20	SB-083-013	628.00	L	J	.T.	---	---	---
Sodium	20	SB-084-009	616.00	L	J	.T.	---	---	---
Sodium	20	SB-088-012	216.00	L	J	.T.	---	---	---
Sodium	25	SB-088-015	164.00	L	J	.T.	---	---	---
Sodium	30	SB-088-018	429.00	L	J	.T.	---	---	---
Sodium	35	SB-075-016	224.00			.F.	---	---	---
Sodium	35	SB-083-016	819.00			.F.	---	---	---
Sodium	35	SB-084-012	412.00			.F.	---	---	---
Sodium	35	SB-088-021	111.00	L	J	.T.	---	---	---
Sodium	35	SB-104-013	2480.00			.T.	---	---	---
Sodium	40	SB-083-002	427.00	L	J	.T.	---	---	---
Sodium	40	SB-083-019	204.00			.F.	---	---	---
Sodium	40	SB-088-024	144.00	L	J	.T.	---	---	---
Sodium	45	SB-083-022	210.00			.F.	---	---	---
Sodium	45	SB-088-027	120.00	L	J	.T.	---	---	---
Thallium	0	SB-075-002	16.70			.F.	7.00	700.00	---
Thallium	5	SB-075-006	20.20			.F.	7.00	700.00	---
Thallium	5	SB-077-002	22.80			.F.	7.00	700.00	---
Thallium	10	SB-084-005	18.10			.F.	7.00	700.00	---
Thallium	15	SB-083-010	13.70			.F.	7.00	700.00	---
Thallium	35	SB-075-016	32.60			.F.	7.00	700.00	---
Thallium	35	SB-083-016	15.70			.F.	7.00	700.00	---
Thallium	35	SB-084-012	15.20			.F.	7.00	700.00	---
Thallium	40	SB-083-019	16.20			.F.	7.00	700.00	---
Thallium	45	SB-083-022	14.90			.F.	7.00	700.00	---
Vanadium	0	SB-075-002	31.90			.F.	24.00	2400.00	---
Vanadium	5	SB-075-006	57.70			.F.	24.00	2400.00	---
Vanadium	5	SB-077-002	52.50			.F.	24.00	2400.00	---
Vanadium	5	SB-083-004	34.40			.T.	24.00	2400.00	---
Vanadium	5	SB-084-002	43.60			.T.	24.00	2400.00	---
Vanadium	10	SB-083-006	54.30			.T.	24.00	2400.00	---
Vanadium	10	SB-083-008	49.10			.T.	24.00	2400.00	---
Vanadium	10	SB-084-005	53.40			.F.	24.00	2400.00	---
Vanadium	10	SB-104-005	25.50			.T.	24.00	2400.00	---
Vanadium	15	SB-083-010	47.00			.F.	24.00	2400.00	---
Vanadium	20	SB-083-013	30.50			.T.	24.00	2400.00	---
Vanadium	20	SB-084-009	23.40			.T.	24.00	2400.00	---
Vanadium	20	SB-088-012	17.50			.T.	24.00	2400.00	---
Vanadium	25	SB-088-015	15.40			.T.	24.00	2400.00	---
Vanadium	30	SB-088-018	53.00			.T.	24.00	2400.00	---
Vanadium	35	SB-075-016	37.30			.F.	24.00	2400.00	---
Vanadium	35	SB-083-016	70.40			.F.	24.00	2400.00	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Vanadium	35	SB-084-012	56.50			.F.	24.00	2400.00	---
Vanadium	35	SB-088-021	11.80			.T.	24.00	2400.00	---
Vanadium	35	SB-104-013	107.00			.T.	24.00	2400.00	---
Vanadium	40	SB-083-002	30.00			.T.	24.00	2400.00	---
Vanadium	40	SB-083-019	23.70			.F.	24.00	2400.00	---
Vanadium	40	SB-088-024	18.90			.T.	24.00	2400.00	---
Vanadium	45	SB-083-022	15.20			.F.	24.00	2400.00	---
Vanadium	45	SB-088-027	12.00			.T.	24.00	2400.00	---
Zinc	0	SB-075-002	174.00			.F.	250.00	5000.00	---
Zinc	5	SB-075-006	98.00			.F.	250.00	5000.00	---
Zinc	5	SB-077-002	415.00			.F.	250.00	5000.00	---
Zinc	5	SB-083-004	70.80			.T.	250.00	5000.00	---
Zinc	5	SB-084-002	68.10			.T.	250.00	5000.00	---
Zinc	10	SB-083-006	63.30			.T.	250.00	5000.00	---
Zinc	10	SB-083-008	69.20			.T.	250.00	5000.00	---
Zinc	10	SB-084-005	115.00			.F.	250.00	5000.00	---
Zinc	10	SB-104-005	43.30			.T.	250.00	5000.00	---
Zinc	15	SB-083-010	56.30			.F.	250.00	5000.00	---
Zinc	20	SB-083-013	42.10			.T.	250.00	5000.00	---
Zinc	20	SB-084-009	34.40			.T.	250.00	5000.00	---
Zinc	20	SB-088-012	24.30			.T.	250.00	5000.00	---
Zinc	25	SB-088-015	22.60			.T.	250.00	5000.00	---
Zinc	30	SB-088-018	70.20			.T.	250.00	5000.00	---
Zinc	35	SB-075-016	59.30			.F.	250.00	5000.00	---
Zinc	35	SB-083-016	78.90			.F.	250.00	5000.00	---
Zinc	35	SB-084-012	73.60			.F.	250.00	5000.00	---
Zinc	35	SB-088-021	16.50			.T.	250.00	5000.00	---
Zinc	35	SB-104-013	162.00			.T.	250.00	5000.00	---
Zinc	40	SB-083-002	297.00			.T.	250.00	5000.00	---
Zinc	40	SB-083-019	34.20			.F.	250.00	5000.00	---
Zinc	40	SB-088-024	26.60			.T.	250.00	5000.00	---
Zinc	45	SB-083-022	25.00			.F.	250.00	5000.00	---
Zinc	45	SB-088-027	16.80			.T.	250.00	5000.00	---
** SEMI-VOLATILES									
2-Methylnaphthalene	5	SB-085-004	110.00	J		.F.	---	---	---
2-Methylnaphthalene	20	SB-088-011	37.00	J		.F.	---	---	---
4-Nitroaniline	5	SB-088-003	82.00	J		.F.	---	---	---
Benzo(a)pyrene	35	SB-077-016	96.00	J		.F.	---	---	---
Benzo(b)fluoranthene	35	SB-077-016	130.00	J		.F.	---	---	---
Benzo(g,h,i)perylene	35	SB-077-016	91.00	J		.F.	---	---	---
Chrysene	5	SB-088-003	280.00	J		.F.	---	---	---
Di-n-butylphthalate	5	SB-088-003	420.00	BJ		.F.	---	---	---
Di-n-butylphthalate	10	SB-077-004	52.00	J		.F.	---	---	---
Di-n-butylphthalate	15	SB-088-008	160.00	BJ		.F.	---	---	---
Di-n-butylphthalate	20	SB-075-012	120.00	J		.F.	---	---	---
Di-n-butylphthalate	20	SB-075-012	120.00	J		.F.	---	---	---
Di-n-butylphthalate	20	SB-088-011	100.00	BJ		.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Di-n-butylphthalate	25	SB-088-014	48.00	BJ		.F.	---	---	---
Di-n-butylphthalate	30	SB-088-017	120.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-085-018	200.00	BJ		.F.	---	---	---
Di-n-butylphthalate	35	SB-087-012	190.00			.F.	---	---	---
Di-n-butylphthalate	40	SB-088-023	110.00	BJ		.F.	---	---	---
Di-n-butylphthalate	45	SB-088-026	300.00	BJ		.F.	---	---	---
Diethylphthalate	15	SB-085-011	48.00	J		.F.	---	---	---
Indeno(1,2,3-cd)pyrene	35	SB-077-016	89.00	J		.F.	---	---	---
Naphthalene	5	SB-085-004	78.00	J		.F.	---	---	---
Phenanthrene	5	SB-085-004	76.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	0	SB-087-001	240.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-083-001	140.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-085-004	150.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-088-001	4300.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-088-003	210.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-076-001	780.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-083-005	62.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-087-005	780.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-088-004	130.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-088-007	170.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-085-011	130.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	15	SB-088-008	510.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-076-005	320.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-083-012	98.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-087-009	900.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-088-011	670.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	25	SB-088-014	180.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-076-009	310.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-088-017	280.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-077-016	84.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-085-018	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-087-012	1500.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	35	SB-088-020	230.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-076-013	420.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	40	SB-088-023	200.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	45	SB-088-026	460.00	B		.F.	---	---	---
** VOLATILES									
2-Butanone	5	SB-083-001	7.00	BJ		.F.	---	---	---
2-Butanone	5	SB-085-004	11.00	BJ		.F.	---	---	---
2-Butanone	5	SB-086-001	75.00	B		.F.	---	---	---
2-Butanone	5	SB-086-004	90.00	B		.F.	---	---	---
2-Butanone	5	SB-088-001	14.00	B		.F.	---	---	---
2-Butanone	5	SB-088-003	25.00	B		.F.	---	---	---
2-Butanone	10	SB-075-009	78.00			.F.	---	---	---
2-Butanone	10	SB-075-009	78.00			.F.	---	---	---
2-Butanone	10	SB-077-014	6.00	BJ		.F.	---	---	---
2-Butanone	10	SB-083-005	14.00	B		.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
2-Butanone	10	SB-086-005	25.00	B		.F.	---	---	---
2-Butanone	10	SB-088-004	20.00	B		.F.	---	---	---
2-Butanone	10	SB-088-007	16.00	B		.F.	---	---	---
2-Butanone	15	SB-077-008	3.00	BJ		.F.	---	---	---
2-Butanone	15	SB-085-011	17.00	B		.F.	---	---	---
2-Butanone	15	SB-086-008	37.00	B		.F.	---	---	---
2-Butanone	15	SB-086-011	66.00	B		.F.	---	---	---
2-Butanone	15	SB-088-008	14.00	B		.F.	---	---	---
2-Butanone	20	SB-075-012	14.00			.F.	---	---	---
2-Butanone	20	SB-075-012	14.00			.F.	---	---	---
2-Butanone	20	SB-076-005	12.00			.F.	---	---	---
2-Butanone	20	SB-077-012	3.00	BJ		.F.	---	---	---
2-Butanone	20	SB-083-012	16.00	B		.F.	---	---	---
2-Butanone	20	SB-086-012	31.00	B		.F.	---	---	---
2-Butanone	20	SB-088-011	53.00	B		.F.	---	---	---
2-Butanone	25	SB-086-015	42.00	B		.F.	---	---	---
2-Butanone	25	SB-088-014	12.00	B		.F.	---	---	---
2-Butanone	30	SB-088-017	9.00	BJ		.F.	---	---	---
2-Butanone	35	SB-077-016	5.00	BJ		.F.	---	---	---
2-Butanone	35	SB-085-018	19.00	B		.F.	---	---	---
2-Butanone	35	SB-088-020	7.00	BJ		.F.	---	---	---
2-Butanone	40	SB-088-023	11.00	B		.F.	---	---	---
2-Butanone	45	SB-088-026	11.00			.F.	---	---	---
2-Hexanone	10	SB-083-005	3.00	J		.F.	---	---	---
4-Methyl-2-Pentanone	10	SB-083-005	2.00	J		.F.	---	---	---
Acetone	0	SB-087-001	27.00	B		.F.	---	---	---
Acetone	5	SB-083-001	10.00	BJ		.F.	---	---	---
Acetone	5	SB-085-004	19.00	B		.F.	---	---	---
Acetone	5	SB-086-001	250.00	B		.F.	---	---	---
Acetone	5	SB-086-004	350.00	B		.F.	---	---	---
Acetone	5	SB-088-001	13.00	BJ		.F.	---	---	---
Acetone	5	SB-088-003	41.00	B		.F.	---	---	---
Acetone	10	SB-075-009	73.00	B		.F.	---	---	---
Acetone	10	SB-075-009	73.00	B		.F.	---	---	---
Acetone	10	SB-076-001	14.00	B		.F.	---	---	---
Acetone	10	SB-077-004	140.00	B		.F.	---	---	---
Acetone	10	SB-083-005	18.00	B		.F.	---	---	---
Acetone	10	SB-086-005	180.00	B		.F.	---	---	---
Acetone	10	SB-088-004	41.00	B		.F.	---	---	---
Acetone	10	SB-088-007	50.00	B		.F.	---	---	---
Acetone	15	SB-077-008	48.00	B		.F.	---	---	---
Acetone	15	SB-085-011	22.00	B		.F.	---	---	---
Acetone	15	SB-086-008	130.00	B		.F.	---	---	---
Acetone	15	SB-086-011	19.00	B		.F.	---	---	---
Acetone	15	SB-088-008	19.00	B		.F.	---	---	---
Acetone	20	SB-075-012	17.00	B		.F.	---	---	---
Acetone	20	SB-075-012	17.00	B		.F.	---	---	---
Acetone	20	SB-076-005	9.00	B		.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Acetone	20	SB-077-012	68.00	B		.F.	---	---	---
Acetone	20	SB-083-012	20.00	B		.F.	---	---	---
Acetone	20	SB-086-012	33.00	B		.F.	---	---	---
Acetone	20	SB-088-011	28.00	B		.F.	---	---	---
Acetone	25	SB-086-015	73.00	B		.F.	---	---	---
Acetone	25	SB-088-014	11.00	B		.F.	---	---	---
Acetone	30	SB-088-017	16.00	B		.F.	---	---	---
Acetone	35	SB-077-016	110.00	B		.F.	---	---	---
Acetone	35	SB-085-018	27.00	B		.F.	---	---	---
Acetone	35	SB-088-020	16.00	B		.F.	---	---	---
Acetone	40	SB-088-023	14.00	B		.F.	---	---	---
Acetone	45	SB-088-026	8.00	J		.F.	---	---	---
Carbon Disulfide	15	SB-086-011	1.00	J		.F.	---	---	---
Chloromethane	5	SB-088-003	2.00	J		.F.	---	---	---
Methylene Chloride	0	SB-087-001	9.00	B		.F.	---	---	---
Methylene Chloride	5	SB-083-001	1.00	J		.F.	---	---	---
Methylene Chloride	5	SB-085-004	4.00	BJ		.F.	---	---	---
Methylene Chloride	5	SB-086-001	180.00	B		.F.	---	---	---
Methylene Chloride	5	SB-086-004	210.00	B		.F.	---	---	---
Methylene Chloride	5	SB-088-003	5.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-075-009	8.00	B		.F.	---	---	---
Methylene Chloride	10	SB-075-009	8.00	B		.F.	---	---	---
Methylene Chloride	10	SB-077-004	30.00	B		.F.	---	---	---
Methylene Chloride	10	SB-083-005	1.00	J		.F.	---	---	---
Methylene Chloride	10	SB-086-005	100.00	B		.F.	---	---	---
Methylene Chloride	10	SB-087-005	8.00			.F.	---	---	---
Methylene Chloride	10	SB-088-004	6.00	B		.F.	---	---	---
Methylene Chloride	10	SB-088-007	3.00	BJ		.F.	---	---	---
Methylene Chloride	15	SB-077-008	14.00	B		.F.	---	---	---
Methylene Chloride	15	SB-085-011	5.00	BJ		.F.	---	---	---
Methylene Chloride	15	SB-086-008	54.00	B		.F.	---	---	---
Methylene Chloride	15	SB-086-011	22.00	B		.F.	---	---	---
Methylene Chloride	15	SB-088-008	7.00	B		.F.	---	---	---
Methylene Chloride	20	SB-075-012	5.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-075-012	5.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-077-012	14.00	B		.F.	---	---	---
Methylene Chloride	20	SB-086-012	210.00	B		.F.	---	---	---
Methylene Chloride	20	SB-087-009	7.00			.F.	---	---	---
Methylene Chloride	20	SB-088-011	5.00	BJ		.F.	---	---	---
Methylene Chloride	25	SB-086-015	37.00	B		.F.	---	---	---
Methylene Chloride	25	SB-088-014	1.00	BJ		.F.	---	---	---
Methylene Chloride	30	SB-088-017	3.00	BJ		.F.	---	---	---
Methylene Chloride	35	SB-077-016	14.00	B		.F.	---	---	---
Methylene Chloride	35	SB-085-018	5.00	BJ		.F.	---	---	---
Methylene Chloride	35	SB-088-020	1.00	BJ		.F.	---	---	---
Methylene Chloride	45	SB-088-026	1.00	J		.F.	---	---	---
Toluene	0	SB-087-001	560.00			.T.	---	---	---
Toluene	0	SB-087-001	560.00			.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Toluene	5	SB-083-001	7.00			.F.	---	---	---
Toluene	5	SB-085-004	72.00			.F.	---	---	---
Toluene	5	SB-086-001	630.00			.F.	---	---	---
Toluene	5	SB-086-004	1200.00			.F.	---	---	---
Toluene	5	SB-088-001	11.00			.F.	---	---	---
Toluene	5	SB-088-003	39.00			.F.	---	---	---
Toluene	10	SB-076-001	43.00			.T.	---	---	---
Toluene	10	SB-076-001	43.00			.F.	---	---	---
Toluene	10	SB-077-004	27.00	B		.F.	---	---	---
Toluene	10	SB-086-005	220.00			.F.	---	---	---
Toluene	10	SB-087-005	79.00			.F.	---	---	---
Toluene	10	SB-088-004	43.00			.F.	---	---	---
Toluene	15	SB-077-008	11.00	B		.F.	---	---	---
Toluene	15	SB-085-011	55.00			.F.	---	---	---
Toluene	15	SB-086-011	160.00			.F.	---	---	---
Toluene	15	SB-088-008	110.00			.F.	---	---	---
Toluene	20	SB-076-005	15.00			.T.	---	---	---
Toluene	20	SB-076-005	15.00			.F.	---	---	---
Toluene	20	SB-077-012	11.00	B		.F.	---	---	---
Toluene	20	SB-086-012	42.00			.F.	---	---	---
Toluene	20	SB-087-009	52.00			.F.	---	---	---
Toluene	20	SB-088-011	200.00			.F.	---	---	---
Toluene	25	SB-086-015	6.00			.F.	---	---	---
Toluene	30	SB-076-009	110.00			.T.	---	---	---
Toluene	30	SB-088-017	6.00	J		.F.	---	---	---
Toluene	35	SB-077-016	47.00	B		.F.	---	---	---
Toluene	35	SB-085-018	29.00			.F.	---	---	---
Toluene	40	SB-076-013	40.00			.T.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	35	SB-093-011	10600.00			.F.	---	---	---
Aluminum	40	SB-097-018	4300.00			.F.	---	---	---
Antimony	35	SB-093-011	2.20			.F.	15.00	500.00	---
Antimony	40	SB-097-018	2.70			.F.	15.00	500.00	---
Arsenic	35	SB-093-011	4.94			.F.	5.00	500.00	5.00
Arsenic	40	SB-097-018	2.71			.F.	5.00	500.00	5.00
Barium	35	SB-093-011	103.00			.F.	100.00	10000.00	100.00
Barium	40	SB-097-018	43.70			.F.	100.00	10000.00	100.00
Beryllium	35	SB-093-011	0.15			.F.	0.75	75.00	---
Beryllium	40	SB-097-018	0.19			.F.	0.75	75.00	---
Cadmium	35	SB-093-011	0.68			.F.	1.00	100.00	1.00
Cadmium	40	SB-097-018	0.31			.F.	1.00	100.00	1.00
Calcium	35	SB-093-011	3440.00			.F.	---	---	---
Calcium	40	SB-097-018	1890.00			.F.	---	---	---
Chromium	35	SB-093-011	16.90			.F.	560.00	2500.00	5.00
Chromium	40	SB-097-018	9.03			.F.	560.00	2500.00	5.00
Cobalt	35	SB-093-011	10.40			.F.	80.00	8000.00	---
Cobalt	40	SB-097-018	4.30			.F.	80.00	8000.00	---
Copper	35	SB-093-011	20.30			.F.	25.00	2500.00	---
Copper	40	SB-097-018	6.87			.F.	25.00	2500.00	---
Iron	35	SB-093-011	17400.00			.F.	---	---	---
Iron	40	SB-097-018	9260.00			.F.	---	---	---
Lead	35	SB-093-011	7.42			.F.	5.00	1000.00	5.00
Lead	40	SB-097-018	3.25			.F.	5.00	1000.00	5.00
Magnesium	35	SB-093-011	6050.00			.F.	---	---	---
Magnesium	40	SB-097-018	2600.00			.F.	---	---	---
Manganese	35	SB-093-011	312.00			.F.	---	---	---
Manganese	40	SB-097-018	164.00			.F.	---	---	---
Mercury	35	SB-093-011	0.04			.F.	0.20	20.00	0.20
Mercury	40	SB-097-018	0.02			.F.	0.20	20.00	0.20
Molybdenum	35	SB-093-011	0.56			.F.	350.00	3500.00	---
Molybdenum	40	SB-097-018	0.42			.F.	350.00	3500.00	---
Nickel	35	SB-093-011	14.30			.F.	20.00	2000.00	---
Nickel	40	SB-097-018	5.33			.F.	20.00	2000.00	---
Potassium	35	SB-093-011	2870.00			.F.	---	---	---
Potassium	40	SB-097-018	835.00			.F.	---	---	---
Selenium	35	SB-093-011	0.28			.F.	1.00	100.00	1.00
Selenium	40	SB-097-018	0.16			.F.	1.00	100.00	1.00
Silver	35	SB-093-011	0.68			.F.	5.00	500.00	5.00
Silver	40	SB-097-018	0.84			.F.	5.00	500.00	5.00
Sodium	35	SB-093-011	462.00			.F.	---	---	---
Sodium	40	SB-097-018	195.00			.F.	---	---	---
Thallium	35	SB-093-011	8.63			.F.	7.00	700.00	---
Thallium	40	SB-097-018	10.70			.F.	7.00	700.00	---
Vanadium	35	SB-093-011	33.00			.F.	24.00	2400.00	---
Vanadium	40	SB-097-018	15.00			.F.	24.00	2400.00	---
Zinc	35	SB-093-011	49.60			.F.	250.00	5000.00	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALIDATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Zinc	40	SB-097-018	27.00			.F.	250.00	5000.00	---
** SEMI-VOLATILES									
bis(2-Ethylhexyl)phthalate	10	SB-093-004	340.00	J		.F.	---	---	---
** VOLATILES									
1,1-Dichloroethene	20	SB-097-009	66.00			.F.	---	---	---
2-Butanone	0	SB-093-001	2.00	J		.F.	---	---	---
2-Butanone	20	SB-093-007	9.00	J		.F.	---	---	---
Acetone	0	SB-093-001	3.00	BJ		.F.	---	---	---
Acetone	10	SB-093-004	6.00	BJ		.F.	---	---	---
Acetone	20	SB-093-007	8.00	BJ		.F.	---	---	---
Acetone	40	SB-097-017	870.00			.F.	---	---	---
Acetone	50	SB-097-020	2.00	J		.F.	---	---	---
Acetone	50	SB-097-020	2.00	J		.F.	---	---	---
Benzene	20	SB-097-009	60.00			.F.	---	---	---
Chlorobenzene	20	SB-097-009	70.00			.F.	---	---	---
Methylene Chloride	0	SB-093-001	5.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-097-001	5.00	B		.F.	---	---	---
Methylene Chloride	10	SB-093-004	16.00	B		.F.	---	---	---
Methylene Chloride	20	SB-093-007	4.00	BJ		.F.	---	---	---
Methylene Chloride	20	SB-097-009	6.00	B		.F.	---	---	---
Methylene Chloride	40	SB-097-017	60.00			.F.	---	---	---
Methylene Chloride	50	SB-097-020	1.00	J		.F.	---	---	---
Methylene Chloride	50	SB-097-020	1.00	J		.F.	---	---	---
Tetrachloroethene	0	SB-097-001	1.00	B		.F.	---	---	---
Toluene	10	SB-097-005	130.00			.F.	---	---	---
Toluene	20	SB-097-009	71.00			.F.	---	---	---
Trichloroethene	20	SB-097-009	69.00			.F.	---	---	---
Xylene (total)	0	SB-097-001	3.00	B		.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
** METALS									
Aluminum	40	SB-096-014L	3940.00			.F.	---	---	---
Antimony	40	SB-096-014L	2.00			.F.	15.00	500.00	---
Arsenic	40	SB-096-014L	3.93			.F.	5.00	500.00	5.00
Barium	40	SB-096-014L	41.00			.F.	100.00	10000.00	100.00
Beryllium	40	SB-096-014L	0.14			.F.	0.75	75.00	---
Cadmium	40	SB-096-014L	0.22			.F.	1.00	100.00	1.00
Calcium	40	SB-096-014L	1680.00			.F.	---	---	---
Chromium	40	SB-096-014L	9.41			.F.	560.00	2500.00	5.00
Cobalt	40	SB-096-014L	3.78			.F.	80.00	8000.00	---
Copper	40	SB-096-014L	6.11			.F.	25.00	2500.00	---
Iron	40	SB-096-014L	7460.00			.F.	---	---	---
Lead	40	SB-096-014L	2.46			.F.	5.00	1000.00	5.00
Magnesium	40	SB-096-014L	2050.00			.F.	---	---	---
Manganese	40	SB-096-014L	84.40			.F.	---	---	---
Mercury	40	SB-096-014L	0.05			.F.	0.20	20.00	0.20
Molybdenum	40	SB-096-014L	0.35			.F.	350.00	3500.00	---
Nickel	40	SB-096-014L	5.57			.F.	20.00	2000.00	---
Potassium	40	SB-096-014L	909.00			.F.	---	---	---
Selenium	40	SB-096-014L	0.13			.F.	1.00	100.00	1.00
Silver	40	SB-096-014L	0.64			.F.	5.00	500.00	5.00
Sodium	40	SB-096-014L	129.00			.F.	---	---	---
Thallium	40	SB-096-014L	8.12			.F.	7.00	700.00	---
Vanadium	40	SB-096-014L	14.60			.F.	24.00	2400.00	---
Zinc	40	SB-096-014L	22.30			.F.	250.00	5000.00	---
** SEMI-VOLATILES									
2-Methylnaphthalene	60	SB-096-007	53.00			.F.	---	---	---
Benzo(a)anthracene	0	SB-096-001	130.00			.F.	---	---	---
Benzo(a)pyrene	0	SB-096-001	180.00			.F.	---	---	---
Benzo(b)fluoranthene	0	SB-096-001	180.00			.F.	---	---	---
Benzo(g,h,i)perylene	0	SB-096-001	530.00			.F.	---	---	---
Butylbenzylphthalate	0	SB-096-001	220.00			.F.	---	---	---
Butylbenzylphthalate	60	SB-096-007	41.00			.F.	---	---	---
Di-n-butylphthalate	0	SB-096-001	90.00	B		.F.	---	---	---
Di-n-butylphthalate	50	SB-096-016	39.00	B		.F.	---	---	---
Di-n-butylphthalate	60	SB-096-007	52.00	B		.F.	---	---	---
Fluoranthene	0	SB-096-001	170.00			.F.	---	---	---
Naphthalene	0	SB-096-001	86.00			.F.	---	---	---
Naphthalene	60	SB-096-007	25.00			.F.	---	---	---
Phenanthrene	0	SB-096-001	120.00			.F.	---	---	---
Pyrene	0	SB-096-001	470.00			.F.	---	---	---
Pyrene	60	SB-096-007	20.00			.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-096-010	150.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	50	SB-096-016	57.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	60	SB-096-007	230.00	B		.F.	---	---	---

TABLE 4-15 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
** VOLATILES									
2-Butanone	30	SB-096-010	17.00			.F.	---	---	---
2-Butanone	50	SB-096-016	6.00			.F.	---	---	---
Acetone	0	SB-096-001	60.00	B		.F.	---	---	---
Acetone	30	SB-096-010	77.00	B		.F.	---	---	---
Acetone	40	SB-096-013	170.00			.F.	---	---	---
Acetone	50	SB-096-016	23.00	B		.F.	---	---	---
Acetone	60	SB-096-007	61.00	B		.F.	---	---	---
Ethylbenzene	0	SB-096-001	1.00			.F.	---	---	---
Ethylbenzene	30	SB-096-010	4.00			.F.	---	---	---
Methylene Chloride	0	SB-096-001	34.00	B		.F.	---	---	---
Methylene Chloride	30	SB-096-010	14.00	B		.F.	---	---	---
Methylene Chloride	40	SB-096-013	15.00			.F.	---	---	---
Methylene Chloride	50	SB-096-016	20.00	B		.F.	---	---	---
Methylene Chloride	60	SB-096-007	27.00	B		.F.	---	---	---
Toluene	0	SB-096-001	27.00			.F.	---	---	---
Toluene	30	SB-096-010	4.00	B		.F.	---	---	---
Toluene	40	SB-096-013	12.00			.F.	---	---	---
Toluene	50	SB-096-016	6.00	B		.F.	---	---	---
Toluene	60	SB-096-007	7.00			.F.	---	---	---
Xylene (total)	30	SB-096-010	6.00			.F.	---	---	---
Xylene (total)	60	SB-096-007	2.00			.F.	---	---	---

TABLE 4-16

CHEMICAL CHARACTERISTICS - ST. PAUL'S HIGH SCHOOL
FEDCO FOODS

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS WASTE LIMIT
** METALS									
Aluminum	5	SB-006-002	10300.00			.F.	---	---	---
Aluminum	10	SB-004-005	3770.00			.F.	---	---	---
Aluminum	35	SB-007-010	3450.00			.F.	---	---	---
Aluminum	40	SB-005-017	12000.00			.F.	---	---	---
Antimony	5	SB-006-002	3.00			.F.	15.00	500.00	---
Antimony	10	SB-004-005	2.70			.F.	15.00	500.00	---
Antimony	35	SB-007-010	2.80			.F.	15.00	500.00	---
Antimony	40	SB-005-017	2.90			.F.	15.00	500.00	---
Arsenic	5	SB-006-002	2.31			.F.	5.00	500.00	5.00
Arsenic	10	SB-004-005	1.92			.F.	5.00	500.00	5.00
Arsenic	35	SB-007-010	1.68			.F.	5.00	500.00	5.00
Arsenic	40	SB-005-017	4.66			.F.	5.00	500.00	5.00
Barium	5	SB-006-002	71.10			.F.	100.00	10000.00	100.00
Barium	10	SB-004-005	43.00			.F.	100.00	10000.00	100.00
Barium	35	SB-007-010	37.50			.F.	100.00	10000.00	100.00
Barium	40	SB-005-017	110.00			.F.	100.00	10000.00	100.00
Beryllium	5	SB-006-002	0.28			.F.	0.75	75.00	---
Beryllium	10	SB-004-005	0.20			.F.	0.75	75.00	---
Beryllium	35	SB-007-010	0.20			.F.	0.75	75.00	---
Beryllium	40	SB-005-017	0.21			.F.	0.75	75.00	---
Cadmium	5	SB-006-002	0.36			.F.	1.00	100.00	1.00
Cadmium	10	SB-004-005	0.26			.F.	1.00	100.00	1.00
Cadmium	35	SB-007-010	0.26			.F.	1.00	100.00	1.00
Cadmium	40	SB-005-017	0.36			.F.	1.00	100.00	1.00
Calcium	5	SB-006-002	1870.00			.F.	---	---	---
Calcium	10	SB-004-005	1360.00			.F.	---	---	---
Calcium	35	SB-007-010	1700.00			.F.	---	---	---
Calcium	40	SB-005-017	3830.00			.F.	---	---	---
Chromium	5	SB-006-002	12.10			.F.	560.00	2500.00	5.00
Chromium	10	SB-004-005	5.96			.F.	560.00	2500.00	5.00
Chromium	35	SB-007-010	6.14			.F.	560.00	2500.00	5.00
Chromium	40	SB-005-017	20.10			.F.	560.00	2500.00	5.00
Cobalt	5	SB-006-002	7.17			.F.	80.00	8000.00	---
Cobalt	10	SB-004-005	3.60			.F.	80.00	8000.00	---
Cobalt	35	SB-007-010	3.00			.F.	80.00	8000.00	---
Cobalt	40	SB-005-017	11.50			.F.	80.00	8000.00	---
Copper	5	SB-006-002	13.80			.F.	25.00	2500.00	---
Copper	10	SB-004-005	7.74			.F.	25.00	2500.00	---
Copper	35	SB-007-010	4.95			.F.	25.00	2500.00	---
Copper	40	SB-005-017	21.90			.F.	25.00	2500.00	---
Iron	5	SB-006-002	13700.00			.F.	---	---	---
Iron	10	SB-004-005	7400.00			.F.	---	---	---
Iron	35	SB-007-010	6130.00			.F.	---	---	---
Iron	40	SB-005-017	19800.00			.F.	---	---	---
Lead	5	SB-006-002	7.00			.F.	5.00	1000.00	5.00
Lead	10	SB-004-005	3.33			.F.	5.00	1000.00	5.00
Lead	35	SB-007-010	3.35			.F.	5.00	1000.00	5.00

TABLE 4-1b (CONTINUED)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	TTLC LIMIT	HAZARDOUS
									WASTE LIMIT
Lead	40	SB-005-017	7.08			.F.	5.00	1000.00	5.00
Magnesium	5	SB-006-002	3220.00			.F.	---	---	---
Magnesium	10	SB-004-005	1660.00			.F.	---	---	---
Magnesium	35	SB-007-010	1870.00			.F.	---	---	---
Magnesium	40	SB-005-017	6720.00			.F.	---	---	---
Manganese	5	SB-006-002	263.00			.F.	---	---	---
Manganese	10	SB-004-005	104.00			.F.	---	---	---
Manganese	35	SB-007-010	88.80			.F.	---	---	---
Manganese	40	SB-005-017	281.00			.F.	---	---	---
Mercury	5	SB-006-002	0.14			.F.	0.20	20.00	0.20
Mercury	10	SB-004-005	0.05			.F.	0.20	20.00	0.20
Mercury	35	SB-007-010	0.02			.F.	0.20	20.00	0.20
Mercury	40	SB-005-017	0.04			.F.	0.20	20.00	0.20
Molybdenum	5	SB-006-002	0.27			.F.	350.00	3500.00	---
Molybdenum	10	SB-004-005	0.23			.F.	350.00	3500.00	---
Molybdenum	35	SB-007-010	0.19			.F.	350.00	3500.00	---
Molybdenum	40	SB-005-017	0.28			.F.	350.00	3500.00	---
Nickel	5	SB-006-002	9.23			.F.	20.00	2000.00	---
Nickel	10	SB-004-005	5.79			.F.	20.00	2000.00	---
Nickel	35	SB-007-010	4.05			.F.	20.00	2000.00	---
Nickel	40	SB-005-017	16.30			.F.	20.00	2000.00	---
Potassium	5	SB-006-002	2260.00			.F.	---	---	---
Potassium	10	SB-004-005	1120.00			.F.	---	---	---
Potassium	35	SB-007-010	818.00			.F.	---	---	---
Potassium	40	SB-005-017	3680.00			.F.	---	---	---
Selenium	5	SB-006-002	0.28			.F.	1.00	100.00	1.00
Selenium	10	SB-004-005	0.23			.F.	1.00	100.00	1.00
Selenium	35	SB-007-010	0.20			.F.	1.00	100.00	1.00
Selenium	40	SB-005-017	0.29			.F.	1.00	100.00	1.00
Silver	5	SB-006-002	0.94			.F.	5.00	500.00	5.00
Silver	10	SB-004-005	0.86			.F.	5.00	500.00	5.00
Silver	35	SB-007-010	0.87			.F.	5.00	500.00	5.00
Silver	40	SB-005-017	0.91			.F.	5.00	500.00	5.00
Sodium	5	SB-006-002	231.00			.F.	---	---	---
Sodium	10	SB-004-005	151.00			.F.	---	---	---
Sodium	35	SB-007-010	123.00			.F.	---	---	---
Sodium	40	SB-005-017	216.00			.F.	---	---	---
Thallium	5	SB-006-002	12.00			.F.	7.00	700.00	---
Thallium	10	SB-004-005	11.00			.F.	7.00	700.00	---
Thallium	35	SB-007-010	11.00			.F.	7.00	700.00	---
Thallium	40	SB-005-017	15.40			.F.	7.00	700.00	---
Vanadium	5	SB-006-002	27.30			.F.	24.00	2400.00	---
Vanadium	10	SB-004-005	13.40			.F.	24.00	2400.00	---
Vanadium	35	SB-007-010	10.60			.F.	24.00	2400.00	---
Vanadium	40	SB-005-017	41.40			.F.	24.00	2400.00	---
Zinc	5	SB-006-002	38.30			.F.	250.00	5000.00	---
Zinc	10	SB-004-005	22.40			.F.	250.00	5000.00	---
Zinc	35	SB-007-010	22.10			.F.	250.00	5000.00	---

TABLE 4-16 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCENTRATION	DETECT	QA	VALI-DATED	STLC LIMIT	TTLT LIMIT	HAZARDOUS WASTE LIMIT
Zinc	40	SB-005-017	58.20			.F.	250.00	5000.00	---
** PESTICIDES									
alpha-BHC	5	SB-006-001	0.00	J		.F.	---	---	---
alpha-BHC	40	SB-005-016	1.00	J		.F.	---	---	---
** SEMI-VOLATILES									
Butylbenzylphthalate	5	SB-007-001	170.00	J		.F.	---	---	---
Di-n-butylphthalate	20	SB-005-009	74.00	J		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-001-001	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	5	SB-002-001	95.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-001-004	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-002-004	110.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-003-004	130.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	10	SB-007-004	96.00	BJ		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	20	SB-007-007	1200.00	B		.F.	---	---	---
bis(2-Ethylhexyl)phthalate	30	SB-005-013	49.00	J		.F.	---	---	---
** VOLATILES									
4-Methyl-2-Pentanone	10	SB-006-004	5.00	J		.F.	---	---	---
Acetone	0	SB-005-001	10.00	BJ		.F.	---	---	---
Acetone	5	SB-001-001	19.00	B		.F.	---	---	---
Acetone	5	SB-002-001	45.00	B		.F.	---	---	---
Acetone	5	SB-003-001	12.00	B		.F.	---	---	---
Acetone	5	SB-004-001	9.00	BJ		.F.	---	---	---
Acetone	10	SB-001-004	11.00	B		.F.	---	---	---
Acetone	10	SB-002-004	30.00			.F.	---	---	---
Acetone	10	SB-003-004	11.00	J		.F.	---	---	---
Acetone	10	SB-005-005	14.00	B		.F.	---	---	---
Acetone	10	SB-006-004	14.00	B		.F.	---	---	---
Acetone	10	SB-007-004	39.00	B		.F.	---	---	---
Acetone	20	SB-001-007	32.00			.F.	---	---	---
Acetone	20	SB-005-009	29.00	B		.F.	---	---	---
Acetone	20	SB-007-007	22.00	B		.F.	---	---	---
Acetone	30	SB-005-013	52.00	B		.F.	---	---	---
Acetone	40	SB-005-016	68.00			.F.	---	---	---
Chloroform	5	SB-001-001	1.00	BJ		.F.	---	---	---
Chloroform	5	SB-003-001	1.00	J		.F.	---	---	---
Chloroform	10	SB-005-005	1.00	BJ		.F.	---	---	---
Chloroform	10	SB-007-004	2.00	BJ		.F.	---	---	---
Chloroform	20	SB-001-007	2.00	J		.F.	---	---	---
Chloroform	20	SB-007-007	2.00	BJ		.F.	---	---	---
Methylene Chloride	0	SB-005-001	11.00	B		.F.	---	---	---
Methylene Chloride	5	SB-001-001	38.00	B		.F.	---	---	---
Methylene Chloride	5	SB-002-001	93.00	B		.F.	---	---	---
Methylene Chloride	5	SB-003-001	8.00	B		.F.	---	---	---
Methylene Chloride	5	SB-004-001	8.00	B		.F.	---	---	---
Methylene Chloride	5	SB-006-001	8.00	B		.F.	---	---	---

TABLE 4-16 (Continued)

PARAMETER	DEPTH (IN FT)	SAMPLE NO.	CONCEN- TRATION	DETECT	QA	VALI- DATED	STLC LIMIT	HAZARDOUS	
								TTLT LIMIT	WASTE LIMIT
Methylene Chloride	5	SB-007-001	6.00	B		.F.	---	---	---
Methylene Chloride	10	SB-001-004	14.00	B		.F.	---	---	---
Methylene Chloride	10	SB-002-004	7.00	B		.F.	---	---	---
Methylene Chloride	10	SB-003-004	8.00	B		.F.	---	---	---
Methylene Chloride	10	SB-004-004	5.00	BJ		.F.	---	---	---
Methylene Chloride	10	SB-005-005	13.00	B		.F.	---	---	---
Methylene Chloride	10	SB-006-004	15.00	B		.F.	---	---	---
Methylene Chloride	10	SB-007-004	12.00	B		.F.	---	---	---
Methylene Chloride	20	SB-001-007	15.00	B		.F.	---	---	---
Methylene Chloride	20	SB-005-009	35.00	B		.F.	---	---	---
Methylene Chloride	20	SB-007-007	13.00	B		.F.	---	---	---
Methylene Chloride	30	SB-005-013	21.00	B		.F.	---	---	---
Methylene Chloride	40	SB-005-016	13.00	B		.F.	---	---	---

5.0 SUMMARY AND CONCLUSIONS

5.1 NATURE AND EXTENT OF CONTAMINATION

Chemical contamination in WDI soil is widespread and much of it can be classified as hazardous, if not according to concentration, then in accordance with RCRA or the California Code of Regulations. The location of contaminants either on the surface or near groundwater, may constitute a potential threat to public health. This will be addressed in the WDI Endangerment Assessment to be submitted to EPA under separate cover.

The most significant conclusions with respect to the nature and extent of contaminants are related to the physical and chemical characteristics of the WDI reservoir and contaminant areas. The reservoir is 585 feet in diameter and 18 to 23 feet deep (Table 5-1). It is covered by 5 to 15 feet of "relatively clean" artificial fill, underlain by sumpy black mud and sludge. The reservoir contains 14 metals, 4 pesticides, 7 semi-volatiles, and 9 volatiles.

The WDI contaminant areas are from 100 to 900 feet in width and 15 to 30 feet in depth (Table 5-2). Although many are overlain by fill material, the depth of this material varies. The areas have 11 metals in common. WDI contaminant areas also contain 4 pesticides, 14 semivolatiles, and 9 volatiles.

Other conclusions relative to WDI soil contamination include the following:

- o Pesticides/PCBs are present at shallow depths.
- o Volatile organic compounds, predominantly benzene, toluene, and xylene are present at all depths.
- o Semivolatile organic compounds are present at all depths.

TABLE 5-1

PHYSICAL AND CHEMICAL CHARACTERISTICS
WDI RESERVOIR

Diameter: 585 feet
Depth: 18 to 23 feet
Lining: Concrete (Type or extent of reinforcement unknown)

Metals	Pesticides	Semivolatiles	Volatiles
Aluminum	Dieldrin	1,2-Dichlorobenzene	1,1,1-Trichloroethane
Arsenic	Heptachlor epoxide	1,4-Dichlorobenzene	1,1-Dichloroethene
Barium	alpha-Chlordane	Anthracene	Benzene
Cadmium	gamma-Chlordane	Benzo(a)pyrene	Ethylbenzene
Calcium		Fluorene	Methylene Chloride
Copper		Naphthalene	Tetrachloroethene
Lead		Phenanthrene	Toluene
Magnesium			Xylene
Molybdenum			Vinyl Chloride
Nickel			
Sodium			
Thallium			
Vanadium			
Zinc			

TABLE 5-2

PHYSICAL AND CHEMICAL CHARACTERISTICS -
WDI CONTAINMENT AREAS

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8
Width (in feet)	250x900	725x825	100x250	250x250	125x250	225x325	100x175	300x825
Depth	≤20 ft	15-30 ft	NA	≤20 ft	≤ 15 ft	NA	≤20 ft	≤15 ft
Lining	Natural Clays	Clays in NE & NW	None	None	Natural Clays	Natural Clays	None	Natural Clays
Aluminum	X	X	NA	X	X	X	X	X
Arsenic	X	X	NA	X	X	X	X	X
Barium	X	X	NA	X	X	X	X	X
Cadmium	X	X	NA	X	X	X	X	X
Chromium	-	-	NA	-	X	-	-	-
Calcium	X	X	NA	X	-	X	X	X
Cobalt	-	-	NA	-	X	-	-	-
Copper	X	X	NA	X	X	X	X	X
Lead	X	X	NA	X	X	X	X	X
Magnesium	X	X	NA	X	X	X	X	X
Molybdenum	X	X	NA	X	-	-	X	X
Nickel	X	X	NA	X	X	X	X	X
Sodium	X	X	NA	X	X	X	X	X
Thallium	X	X	NA	X	X	X	X	X
Vanadium	X	X	NA	X	X	X	X	X
Zinc	X	X	NA	X	X	X	X	X
alpha-Chlordane	-	X	NA	-	-	-	-	-
Dieldrin	-	X	NA	X	-	-	-	-
gamma-Chlordane	X	-	NA	-	-	-	-	-
2-Chlorophenol	-	X	NA	X	-	-	-	-
Benzo(a)pyrene	X	X	NA	X	X	-	X	X
Anthracene	-	X	NA	X	-	-	-	-
Fluorene	X	X	NA	X	-	-	-	-
1,4-Dichlorobenzene	-	X	NA	-	-	-	-	-
Naphthalene	X	X	NA	X	-	-	X	X
Phenanthrene	X	X	NA	X	-	-	X	X
Methylene Chloride	X	X	NA	X	X	-	X	X
Ethylbenzene	-	X	NA	X	-	-	X	X
1,1,1-Trichloroethane	-	X	NA	X	-	-	-	-
Benzene	-	X	NA	X	-	-	-	X

TABLE 5-2

PHYSICAL AND CHEMICAL CHARACTERISTICS -
WDI CONTAINMENT AREAS (Continued)

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8
Width (in feet)	250x900	725x825	100x250	250x250	125x250	225x325	100x175	300x825
Depth	≤20 ft	15-30 ft	NA	≤20 ft	≤ 15 ft	NA	≤20 ft	≤15 ft
Lining	Natural Clays	Clays in NE & NW	None	None	Natural Clays	Natural Clays	None	Natural Clays
Toluene	X	X	NA	X	X	-	X	X
Xylene	-	X	NA	X	-	-	X	X
Tetrachloroethene	-	X	NA	X	-	-	X	X
alpha-BHC	-	-	NA	X	X	-	-	-
1,1-Dichloroethene	-	-	NA	X	-	-	-	X
Carbon Tetrachloride	-	-	NA	X	-	-	-	-
Fluoranthene	-	-	NA	-	X	-	-	-
Benzo(z)anthracene	-	-	NA	-	X	-	-	-
Benzo(z)pyrene	-	-	NA	-	X	-	-	-
Benzo(K) Fluoranthene	-	-	NA	-	X	-	-	-
Chrysene	-	-	NA	-	X	-	-	-
Benzo(phi)perylene	-	-	NA	-	X	-	-	-
Indeno(1,2,3-cd) pyrene	-	-	NA	-	X	-	-	-
Pyrene	-	-	NA	-	X	-	-	-

NA = Not available.

- o The integrity of the southern portion of the WDI reservoir is questionable. Several borings in this area should have, but did not, encounter the concrete which composes the reservoir bottom elsewhere. These borings also detected the same types and concentrations of contaminants directly below the reservoir as were detected within the reservoir.
- o The eight containment areas on the site are unlined although the solidification of contaminants, the natural stratigraphy, or both may be limiting contaminant migration.
- o Contamination in areas of the site which are outside the WDI reservoir and containment areas is relatively low.
- o The subsurface soil on the Toxo Spray Dust and Campbell properties both contain contamination which is similar in type to the contamination in the WDI reservoir and containment areas, but is somewhat lower in concentration.

5.2 DATA LIMITATIONS AND RECOMMENDATIONS FOR FUTURE WORK

A large amount of data has been collected to characterize soil contamination at the WDI site. The characterization effort has identified the extent of the reservoir and of containment areas, however decisions made on which remedial alternative is implemented may require that some additional work be conducted prior to remediation.

Current data limitations include the following:

- o Insufficient data exists to determine background concentrations of WDI contaminants. Soils from the St. Paul's High School athletic field are currently being used for this purpose, but the concentration of contaminants which are present and the close proximity of this property to the WDI site make the validity of this approach questionable. Additional data which is needed is the type and concentration of contaminants which are naturally present in soil in the Santa Fe Springs area.

- o Dry weight (mg/kg) concentrations for metals are available. However, some samples show total metals concentrations between the TTLC and STLC levels.

- o Petroleum hydrocarbon contamination in the reservoir and containment areas as it relates to other contaminants may be of importance to remedial design. Thus, it may be necessary to obtain additional data on hydrocarbon distribution prior to finalizing the alternative decision.

Although some limitations and uncertainties exist in the WDI soils data, most are not considered serious. The importance of several (e.g., the absence of leachable concentrations) cannot be determined until the WDI Endangerment Assessment is performed. The gathering of additional data to reduce other uncertainties (e.g., the integrity of the WDI reservoir) may be necessary during the remedial design phase of work at the site.

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